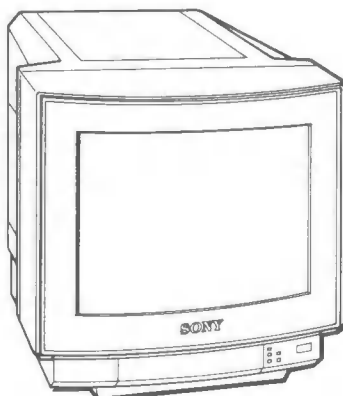


SERVICE MANUAL

US Model
Canadian Model
 Chassis No. SCC-D43A-A

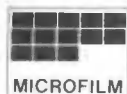


SPECIFICATIONS

Color system	NTSC system	Audio	0.5 W monaural
Picture tube	Trinitron tube Approx. 35.56 cm (13 inches) picture measured diagonally, 90-degree deflection AG Pitch 0.25 mm	Overscan of the picture	Composite video input less than +7% RGB input Horizontal: -7% to +5% variable Vertical: -7% to +5% variable
Resolution	Video inputs: 600 TV lines RGB inputs: 900 dots x 560 lines Maximum viewable pixels: 1024 dots x 768 lines	Inputs	VIDEO IN (LINE A): BNC connector (1) composite video, 1Vp-p \pm 3dB, sync negative, automatic termination at 75 ohms Y/C IN (LINE B): 4-pin, mini-DIN (1) Y (luminance signal): 1Vp-p, sync negative, 75-ohm termination switchable C (chrominance signal): 0.286Vp-p (burst signal), 75-ohm termination switchable RGB A: D-sub 9-pin connector (1) Analog RGB: 0.7Vp-p, 75 ohm terminated Digital RGB: TTL level RGB B: D-sub 25-pin connector (1) Analog RGB: 0.7Vp-p, 75 ohm terminated Digital RGB: TTL level
Color temperature	9300 K + 8MPCD		
Frequency response	8 MHz(-6 dB, composite video) 30 MHz(-6 dB, RGB)		
Linearity	Horizontal: less than \pm 5% Vertical: less than \pm 5%		
Line full range	Composite video input Horizontal: 15.734 kHz \pm 500 Hz Vertical: 52 to 60 Hz RGB input Horizontal: 15 to 36 kHz Vertical: 50 to 100 Hz		

— Continued on next page —

TRINITRON® COLOR VIDEO MONITOR
SONY®



AUDIO IN (LINE A/LINE B/RGB A):
phono jack (3)
-5 dBs, high impedance
CONTROL S: minijack (1)
RGB A SELECT: minijack (1)

Outputs VIDEO OUT (LINE A): BNC connector (1)
Y/C OUT (LINE B): 4-pin mini-DIN (1)
AUDIO OUT (LINE A/LINE B): phono
jack (2)

Power requirements
120 V AC, 50/60 Hz

Power consumption
95 W Max.

Operating temperature range
0°C - 35°C (32°F - 95°F)

Dimensions Approx. 379 × 365.1 × 411 mm (w/h/d)
(15 × 14³/₈ × 16¹/₄ inches)

Weight Approx. 17 kg (37 lb 8 oz)

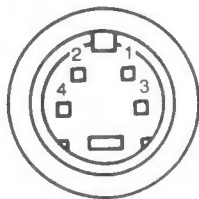
Accessory supplied
AC power cord (1)
D-sub 9 pin adaptor (1)

Optional accessory
Display stand SU-552

Design and specifications subject to change without notice.

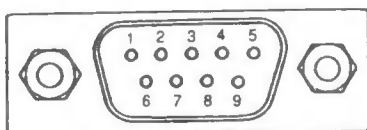
Pin assignment

Y/C (Y/C separate) IN connector (4-pin)



Pin No.	Signal	Description
1	Y-input	1 Vp-p, sync negative, 75 ohms
2	CHROMA sub-carrier-input	300 mVp-p, burst signal Delay time between Y and C: within 0±100 nsec., 75 ohms
3	GND for Y-input	Ground
4	GND for CHROMA-input	Ground

RGB multi connector (9-pin)



Pin No.	Signal				
	Analog	Digital 8-color	Digital 16-color	Digital 64-color	Digital monochrome
1	GND	GND	GND	GND	GND
2	(NC)	(NC)	(NC)	r	(NC)
3	R	R	R	R	(NC)
4	G	G	G	G	(NC)
5	B	B	B	B	(NC)
6	(NC)	(NC)	I	g	I
7	(NC)	(NC)	(NC)	b	G
8	H/HV	H/HV	H/HV	H/HV	H/HV
9	V	V	V	V	V
Sync level	HV:1Vp-p (Positive or Negative) H,V:TTL level (Positive or Negative)	TTL level (Positive or Negative)	TTL level (H:Positive V:Positive)	TTL level (H:Positive V:Negative)	TTL level (H:Positive V:Negative)

GND: Ground R: Red G: Green B: Blue

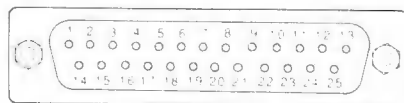
(NC): No connection

H: Horizontal sync V: Vertical sync

HV: Composite sync I: Intensity

r: Secondary red g: Secondary green b: Secondary blue

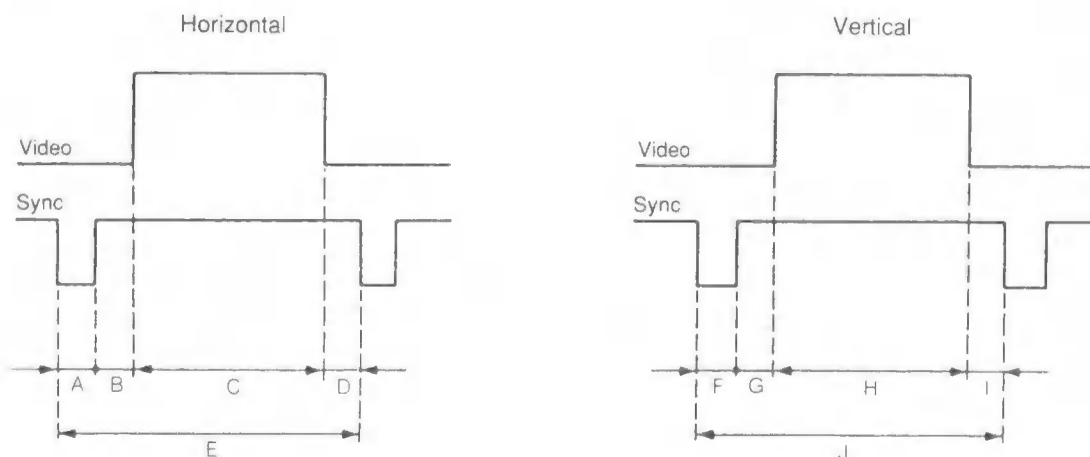
RGB multi connector (25-pin)



Pin No.	Signal	Signal level
1	IBM select	H (5 V): IBM mode L: 3 Bit TTL
2	Audio select	H (5 V or open): Audio inputs from #13 L (less than 0.4 V): Audio inputs from the LINE AUDIO IN jacks
3	Video input (composite video signal) H. sync or composite sync	When the high state is selected at #9: 1 Vp-p, 75 ohm terminated (Negative polarity sync), with the SUPERIMPOSE switch set to ON 1-4 Vp-p, 75 ohm terminated (Negative or Positive), with the SUPERIMPOSE switch set to OFF When the low state is selected at #9: TTL level
4	Blue input	Positive polarity When the high state is selected at #9:
5	Green input	Analog signal (0.7 Vp-p, 75 ohm terminated, non sync 1 Vp-p, 75 ohm terminated, with sync on G signal)
6	Red input	When the low state is selected at #9: Digital signal (TTL level)
7	NC	
8	NC	
9	Analog/digital mode select	H (open): Analog signal (0.7 Vp-p) L (ground): Digital signal (TTL level)
10	RGB B/NORMAL mode select (Function switch)	H (3 V to 12 V): Signal input from the 25 pin D-sub L (less than 2 V): Composite video inputs from LINE or Y/C input impedance more than 22 kilo ohms
11	V. sync	TTL level
12	Blanking input	When the high state is selected at #9: H (1 V to 3 V): RGB input from the 25 pin D-sub L (less than 0.4 V): Composite or Y/C video inputs, 75 ohm terminated (Rapid switch) When the low state is selected at #9: H (5 V or open): RGB input from the 25 pin D-sub L (ground): Composite video input from LINE VIDEO IN
13	Audio input	Input level -5 dBs (normal), input impedance more than 47 kilo ohms
14	EXT/INT video select	Functions with the SUPERIMPOSE switch set to ON. H (open): Sync signal input from #3 L (ground): Sync signal input from LINE or Y/ C
15	Video input return	
16	Blue input return	
17	Green input return	
18	Red input return	
19	Ground	
20	Video output (composite sync output)	Output level 1.0 Vp-p, within sync 0.3 Vp-p output impedance 75 ohm

Pin No.	Signal	Signal level
21	Video output return	
22	Audio common return	
23	Audio output	Output level -5 dBs (normal) output impedance less than 10 kilo ohm
24	Blanking input return	
25	IBM luminance signal	Positive polarity When the high state is selected at #1: TTL level When the low state is selected at #1: Low state (GND)

Timing Chart



		VGA compatible			CGA compatible	EGA compatible
fH		31.47 kHz			15.68 kHz	21.86 kHz
A (μs)		3.81			4.45	4.9
B (μs)		1.91			8.03	1.6
C (μs)		25.42			44.83	39.3
D (μs)		0.64			6.47	0
E (μs)		31.78			63.78	45.8
fV		70 Hz		60 Hz	60 Hz	60 Hz
F (ms)		0.064	0.064	0.064	0.19	0.6
G (ms)		1.08	1.87	1.017	2.11	0
H (ms)		12.71	11.13	15.26	12.74	16.0
I (ms)		0.416	1.206	0.349	1.64	0.05
J (ms)		14.27	14.27	16.69	16.68	16.7
Sync	H	-	+	-	+	+
Polarity	V	+	-	-	+	-

SAFETY CHECK-OUT (US Model Only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cord for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the B+ and HV to see they are at the values specified. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60-100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)

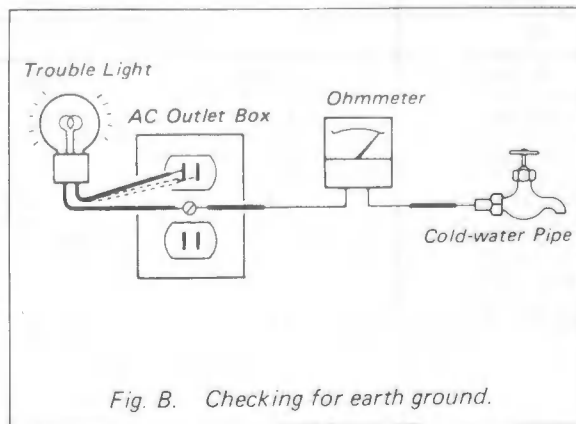
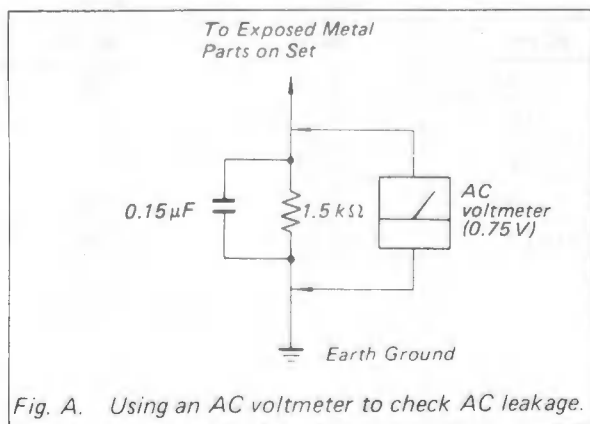



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WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS. THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.


SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

ATTENTION!!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

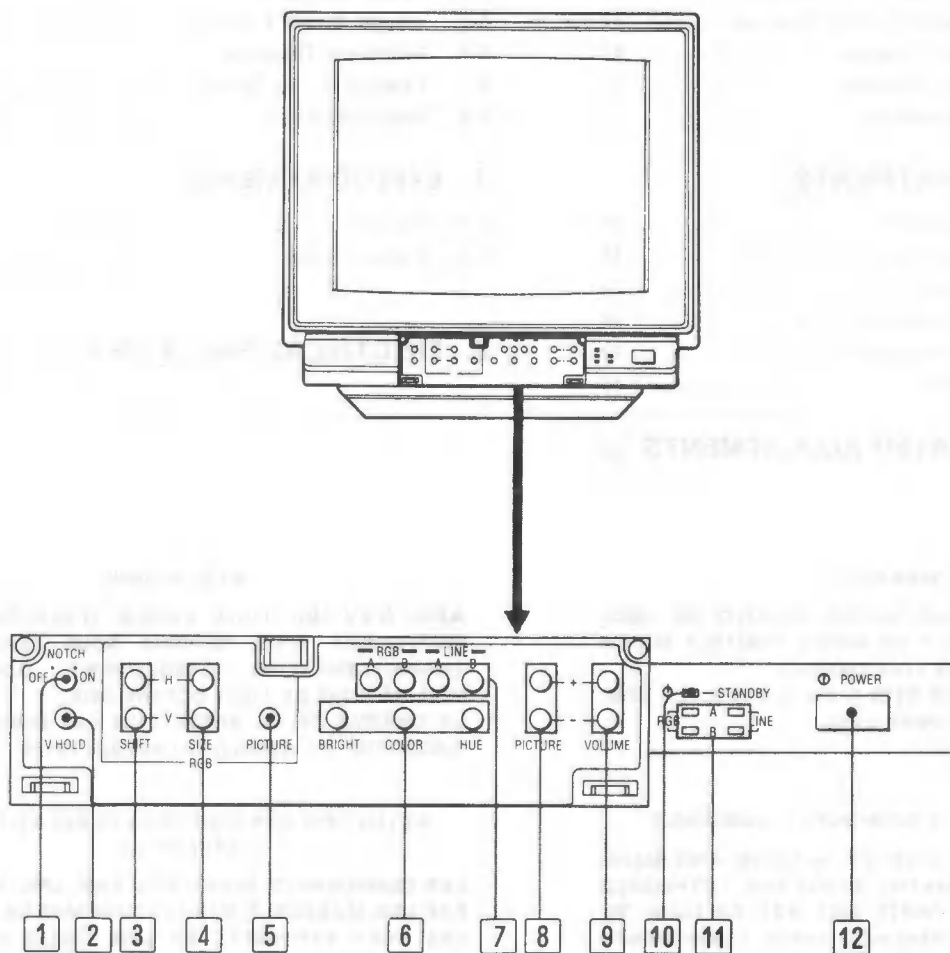
ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MARQUE  SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIÈCES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÈCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIÉS DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTÉ.

SECTION 1 GENERAL

1-1. LOCATION AND FUNCTION OF PARTS AND CONTROLS

Front panel



1 NOTCH switch

Normally set this switch to the OFF position to obtain fine picture details without color spill or color noise. When a microcomputer, such as APPLE II, is connected and stripes appear, set it to the ON position.

2 V HOLD (vertical hold) control

If the video input picture rolls vertically, use this control to stabilize it.

Note

Control **2** does not function for RGB input pictures.

3 RGB H/V SHIFT (horizontal/vertical shift) controls

Turn the H-SHIFT control to adjust the horizontal position of the RGB input picture, if it is off center. Turn it clockwise to shift the picture toward the right and counterclockwise to shift the picture toward the left. Turn the V-SHIFT control to adjust the vertical position of the RGB input picture, if it is off center. Turn it clockwise to shift the picture upward and counterclockwise to shift the picture downward.

4 RGB H/V SIZE (horizontal/vertical size) controls

Turn the H-SIZE control to adjust the horizontal size. Turn the V-SIZE control to adjust the vertical size.

5 RGB PICTURE control

Adjust this control if the picture level of RGB inputs differs significantly from that of video inputs. Turn this control clockwise to make the contrast and color intensity of the RGB input picture stronger, or counterclockwise to make them weaker.

Note

- Controls **3** to **5** function only for RGB input pictures. However, they do not function when the RGB B input is selected with the SUPERIMPOSE switch on the rear panel set to ON.
- When turning the controls **1** – **4**, use the supplied screwdriver (attached to the panel cover).

6 Picture adjustment controls**BRIGHT (brightness) control**

Normally keep this control at the center detent position. Turn it clockwise to make the picture brighter or counterclockwise to make it darker.

COLOR control

Turn this control clockwise to make the picture more vivid or counterclockwise to make it paler.

HUE control

Use this control to obtain the most natural skin tones. Turn it clockwise to add green to the skin tones or counterclockwise to add purple/red hues.

Notes

- The COLOR and HUE controls do not function when the RGB A input is selected irrespective of the SUPERIMPOSE switch setting.
- The COLOR and HUE controls do not function when the RGB B input is selected with the SUPERIMPOSE switch set to OFF.

7 Input select buttons

Press to select the input source to be monitored.

RGB A: for input signals fed through the RGB A connector and the RGB A AUDIO jack

RGB B: for input signals fed through the RGB B connector

LINE A: for input signals fed through the LINE A connectors

LINE B: for input signals fed through the LINE B connectors

8 PICTURE +/- buttons

Press the + button to make the contrast and color intensity stronger or press the – button to make them weaker.

9 VOLUME +/- buttons

Press the + button for more volume or press the – button for less volume.

10 STANDBY indicator

Lights when the power is turned off by remote control through CONTROL S signal.

While the unit is operating, this indicator functions as the response indicator.

It blinks when the VOLUME or PICTURE buttons are pressed.

It lights steadily at the highest or lowest level of volume or picture level.

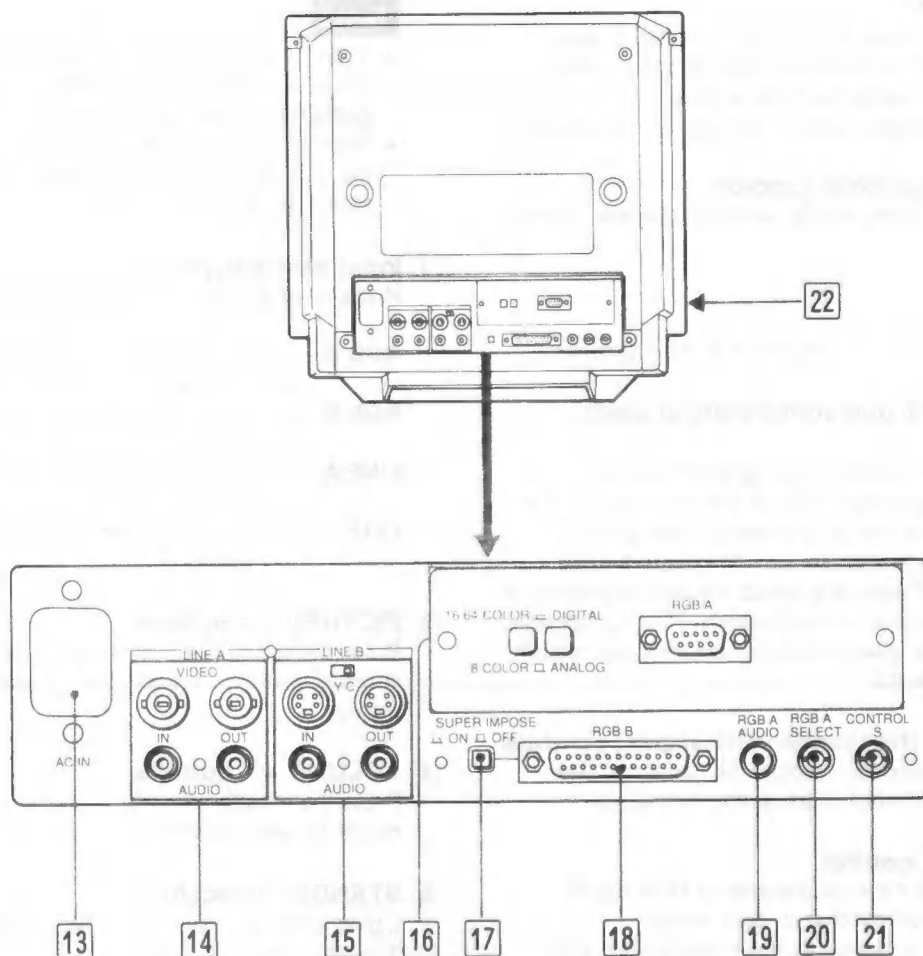
11 Input select indicators (RGB A/RGB B/LINE A/LINE B)

When the input source is selected, the corresponding indicator lights.

12 POWER switch

Depress to turn on the monitor. Press again to turn it off.

Rear

**13 AC IN connector**

Connect the supplied power cord.

14 LINE A

To monitor the input signal fed through this line input, press the LINE A input select button on the front panel.

VIDEO IN connector(BNC type)

AUDIO IN jack(monaural)(phono type)

Connect to the video and audio outputs of video equipment such as VCRs or video disc players. For a loop-through connection, connect to the video and audio outputs of another monitor.

VIDEO OUT connector(BNC type)

AUDIO OUT jack(monaural)(phono type)

For a loop-through connection, connect to the video and audio inputs of another monitor.

When a connecting cord is connected to the VIDEO OUT connector, the 75-ohm termination of the input is automatically released and the signal input to the VIDEO IN connector is output from this connector.

15 LINE B

To monitor the input signal fed through this line input, press the LINE B input select button.

Y/C 75 Ω termination switch

When only the Y/C IN connector is connected (i.e. nothing is connected to the Y/C OUT connector), set this switch to ON.

When both Y/C IN and OUT connectors are connected together for a loop-through connection, set this switch to OFF.

Y/C IN connector(4-pin mini-DIN)

Connect to the Y/C output of video equipment.

AUDIO IN jack(monaural)(phono type)

Y/C OUT connector(4-pin mini-DIN)

For a loop-through connection, connect to the Y/C input of another monitor.

AUDIO OUT jack(monaural)(phono type)

16 RGB A interface unit**16, 64 COLOR/8 COLOR selector**

Depress this selector when digital RGB equipment having 16- or 64-color mode is connected to the RGB A connector. The 16- or 64-color mode is automatically selected by sync polarity. Keep the selector released for digital RGB equipment having the 8-color mode.

DIGITAL/ANALOG selector

Depress this selector when video equipment having digital RGB output is connected to the RGB A connector. Release the selector for equipment having analog RGB output.

RGB A connector (D-sub 9-pin)

Connect to video equipment having either digital or analog RGB output.

To monitor the input signal fed through this connector, press the RGB A input select button.

Note

For connection with a microcomputer, be sure to use either of the following optional connecting cables:

SMF-521 (9-pin to 15-pin)

SMF-520 (9-pin to 9-pin)

17 SUPERIMPOSE switch

Set this switch to ON (⬆) to display the composite video signal from an 8 mm video cassette recorder, etc., or to perform superimposition. In this case, the RGB H/V SHIFT, RGB H/V SIZE and RGB PICTURE controls do not function.

Set this switch to OFF (⬆) to display the RGB signal from a microcomputer, etc. In this case, the sync signal should be supplied to pin 3 (H. sync) or pin 11 (V. sync) of the RGB B connector.

Note

When the RGB B/NORMAL mode select signal is supplied to pin 10 of the RGB B connector with the SUPERIMPOSE switch set to ON, the previously selected LINE A or LINE B indicator lights together with the RGB B indicator.

18 RGB B connector (D-sub 25-pin)

Connect to video equipment having either digital or analog RGB output.

To monitor the input signal fed through this connector, press the RGB B input select button.

Note

For connection with a microcomputer, be sure to use either of the following optional connecting cables:

SMF-524 (25-pin to 15-pin)

SMF-525 (25-pin to 9-pin)

19 RGB A AUDIO input jack (phono type)

Connect to the audio outputs of the RGB equipment connected to the RGB A connector.

20 RGB A SELECT connector (minijack)

When ground potential is applied to this connector, signal input from the RGB A connector will be monitored regardless of the setting of the input select buttons on the front panel. If a power supply of 5 V is applied to the connector or the circuit is open, the input signal selected with the input select buttons will be monitored.

This connector allows the input source monitored to be selected with external equipment.

21 CONTROL S input connector (minijack)

Connect to the CONTROL S output of video equipment. The power on/off, input select, volume and picture settings can be remotely controlled through the equipment connected.

Note

Mutual interference of deflection may occur when several monitors are ranged side by side for a loop-through connection, as this unit is compatible with the signals of high horizontal frequencies. In such a situation, allow adequate space between each unit.

22 Earphone jacks

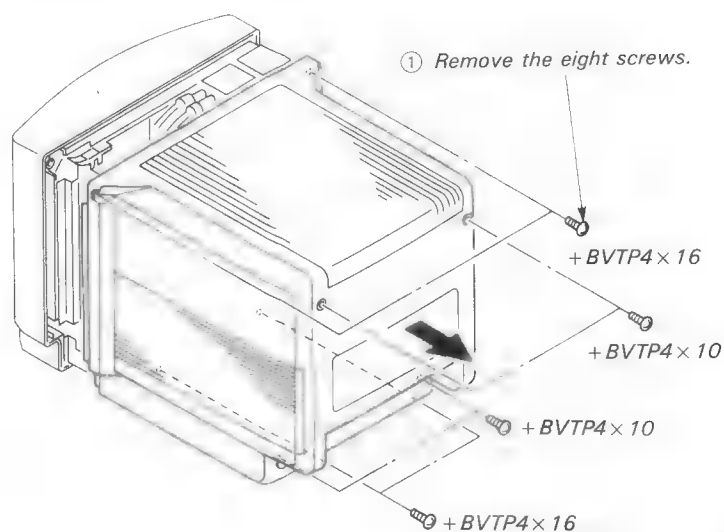
Phone 1 : When the earphone is connected, the sound through the speaker is also audible.

Phone 2 (Switched) : When the earphone is connected, the sound through the speaker is not audible.

SECTION 2

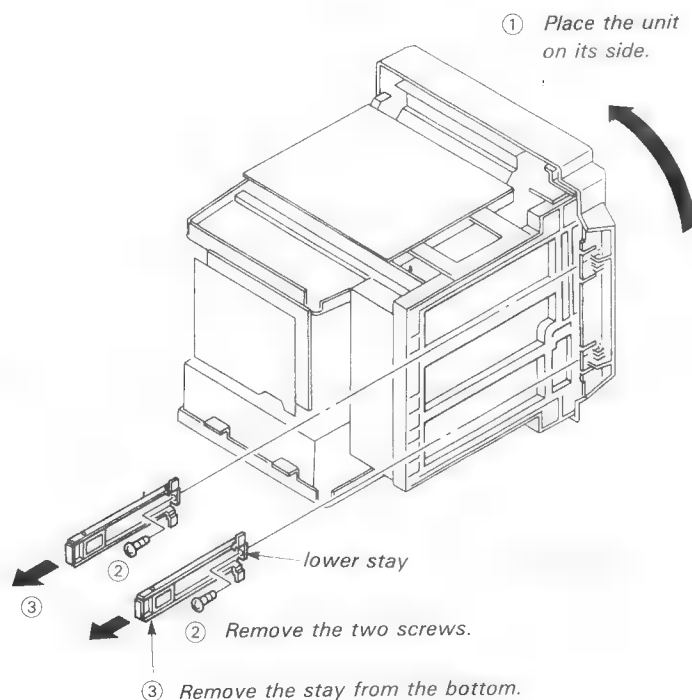
DISASSEMBLY

2-1. REAR COVER REMOVAL

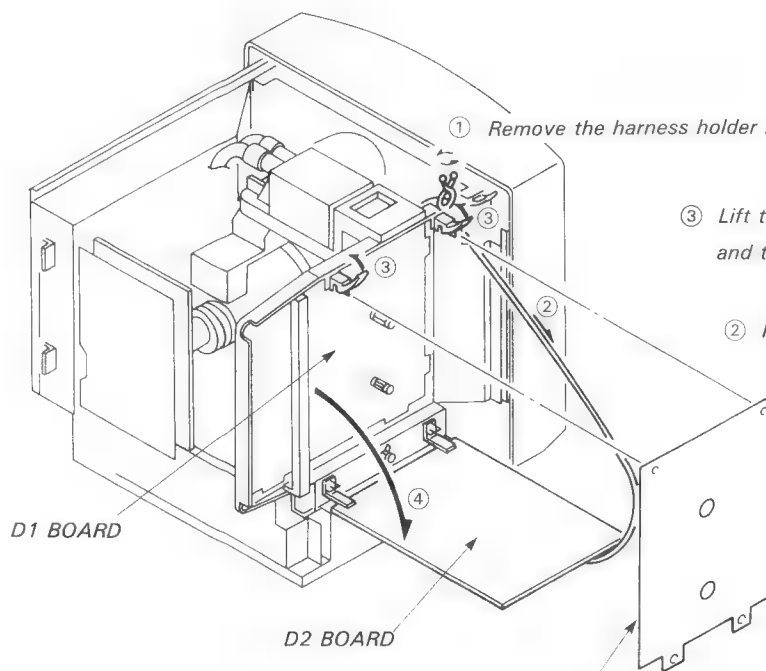


② Remove the rear cover in the direction of the arrow.

2-2. A AND ■ BORDS SERVICE POSITION



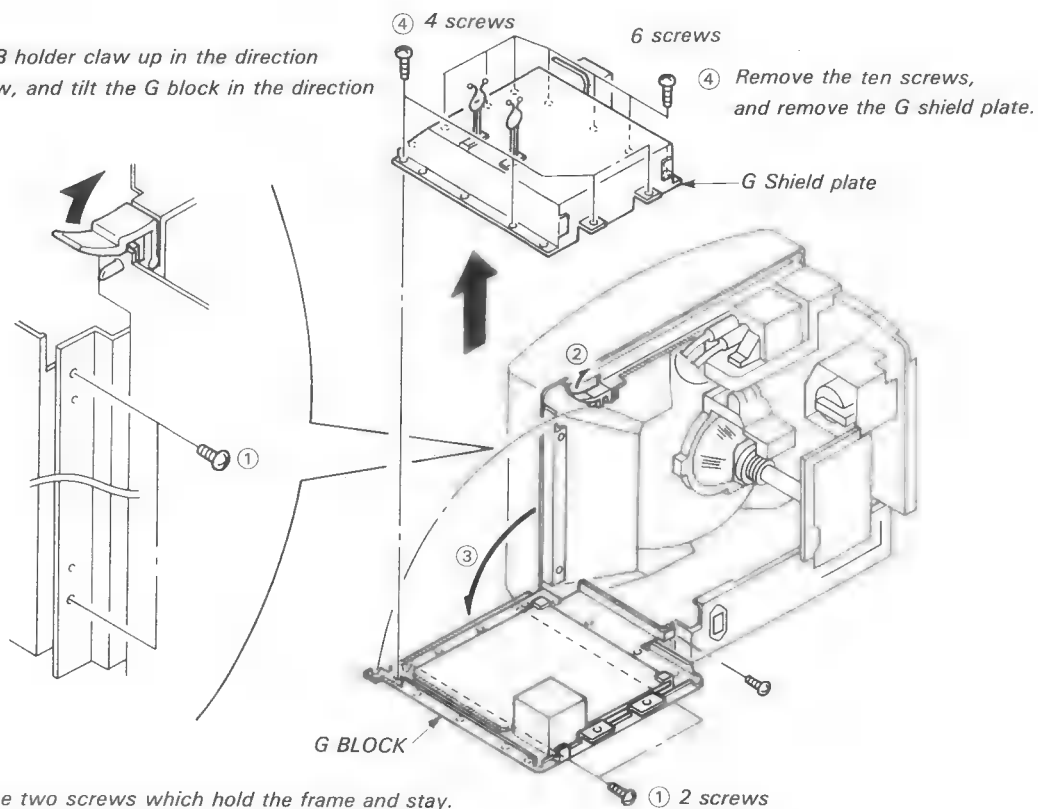
2-3. D1 AND D2 BOARDS SERVICE POSITION



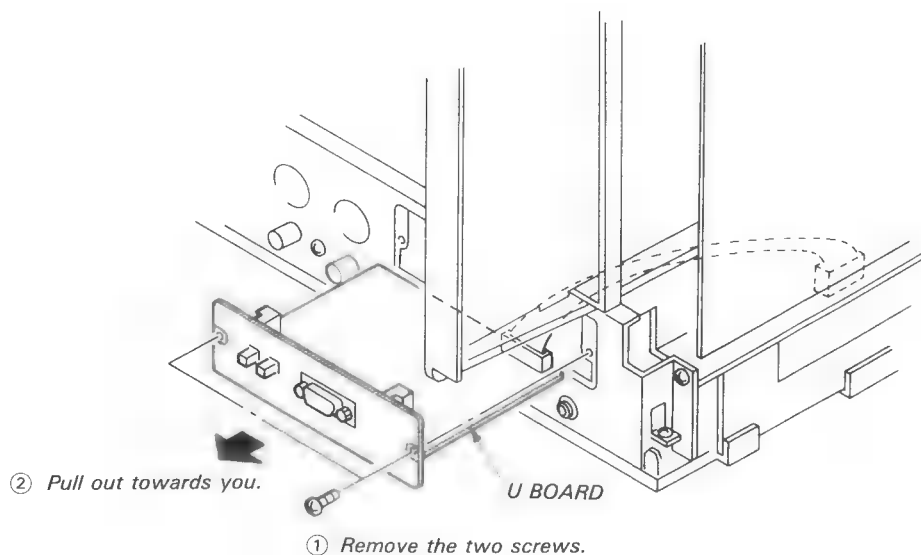
⑤ Remove the shield plate from the PCB holder, then service the D1 board.

2-4. G BOARD SERVICE POSITION

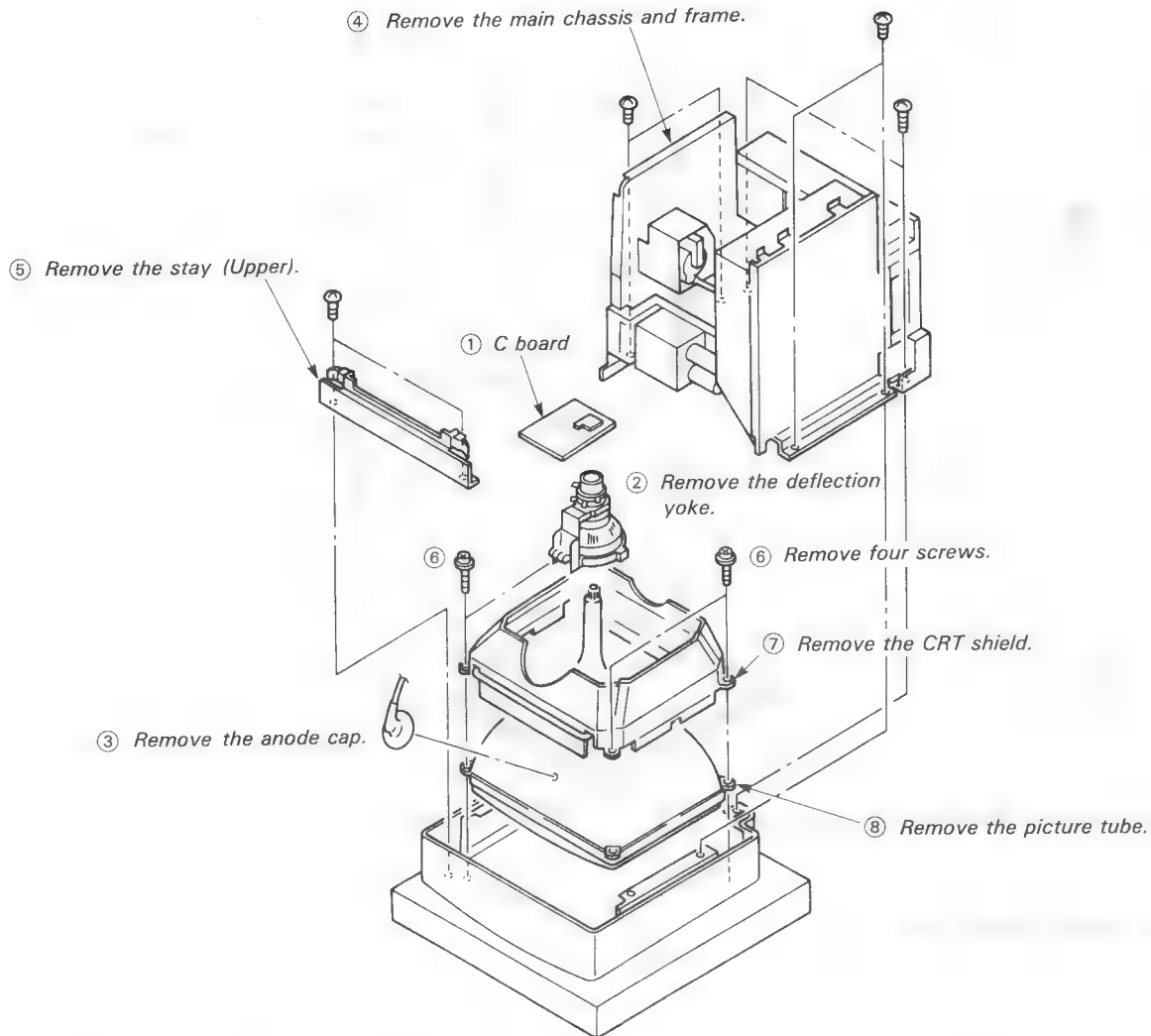
- ② Lift the PCB holder claw up in the direction of the arrow, and tilt the G block in the direction of arrow 3.



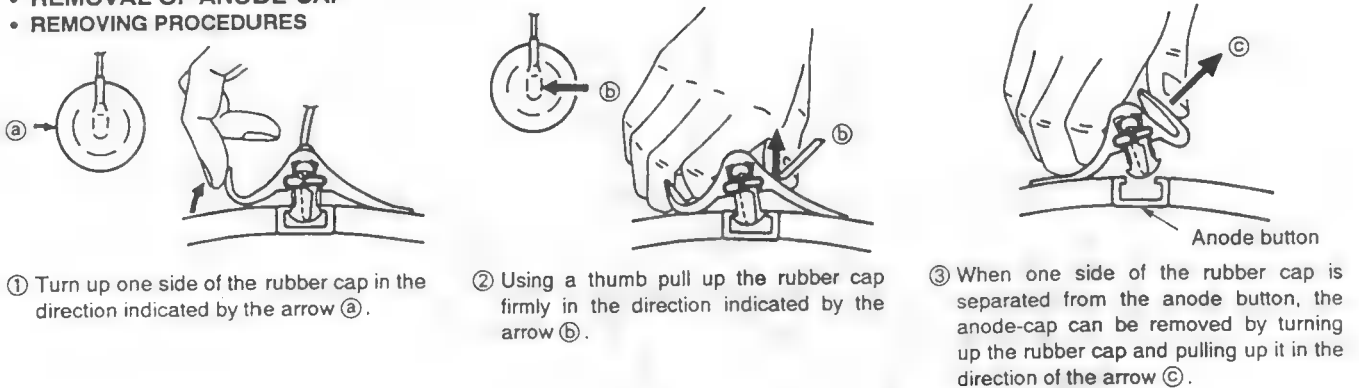
2-5. U BOARD SERVICE POSITION



2-6. PICTURE TUBE REMOVAL

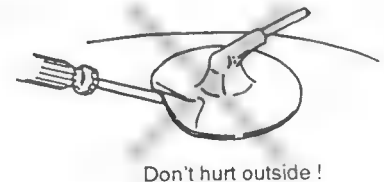
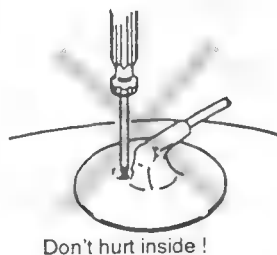


• REMOVAL OF ANODE-CAP • REMOVING PROCEDURES



• HOW TO HANDLE AN ANODE-CAP

- ① Don't hurt the surface of anode-caps with sharp shaped material !
- ② Don't press the rubber hardly not to hurt inside of anode-caps !
A metal fitting called as shatter-hook terminal is built in the rubber.
- ③ Don't turn the foot of rubber over hardly !
The shatter-hook terminal will stick out or hurt the rubber.



SECTION 3

SET-UP ADJUSTMENTS

3-1. LANDING ADJUSTMENT

Preparations:

1. Face the set CRT surface toward the east or west in order to lessen the effect of geomagnetism.
2. Turn the set power switch on and degauss.

Adjustment:

1. Input a white signal.
2. Perform rough adjustment of white balance, screen (G2), horizontal convergence and focus. The purity adjustment knob should be at the center position at this time. (Fig. 1)
3. Set C board R BKG VR (RV705) to maximum and G BKG VR (RV706) and B BKG VR (RV707) to minimum.
4. Move the deflection yoke back and adjust the purity magnet so that the entire picture is as shown in Fig. 2.
5. Adjust so that the entire picture becomes red while moving the deflection yoke forward.
6. Use the G BKG VR (RV706) and B BKG VR (RV707) to check and adjust each color following steps 3 - 5.
7. When landing at the corners is not correct, perform magent correction (Fig. 3).
8. When the position of the deflection yoke is finalized, secure with the bracket.

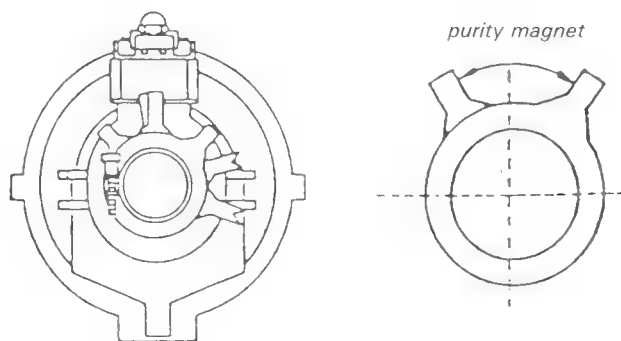


Fig. 1

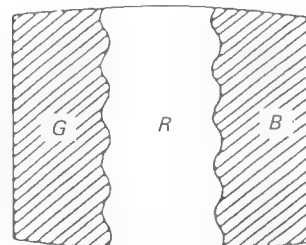


Fig. 2

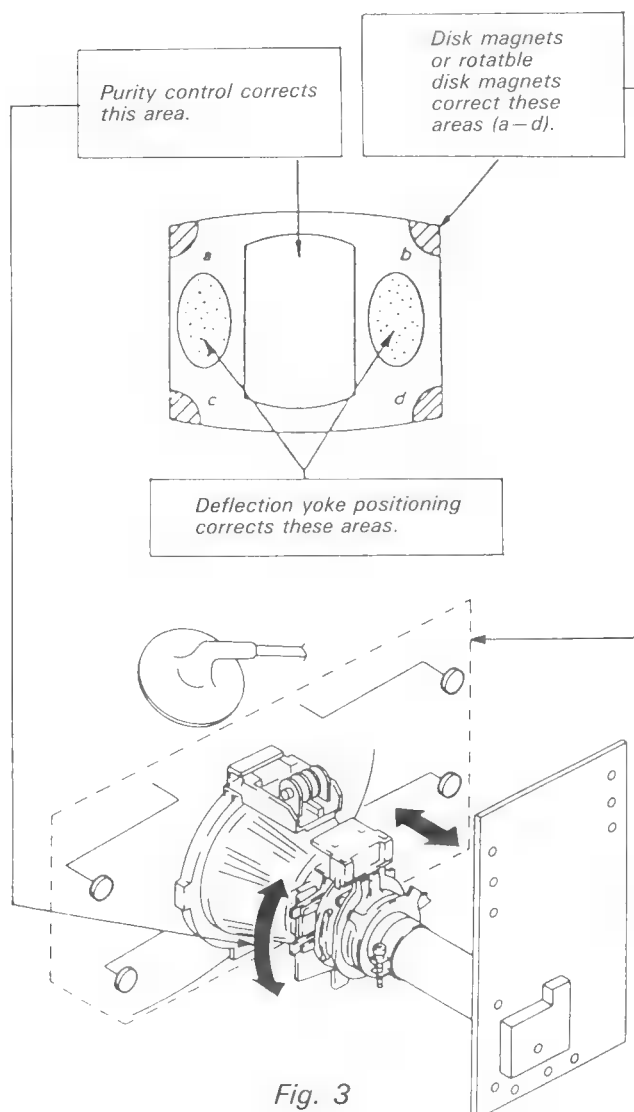
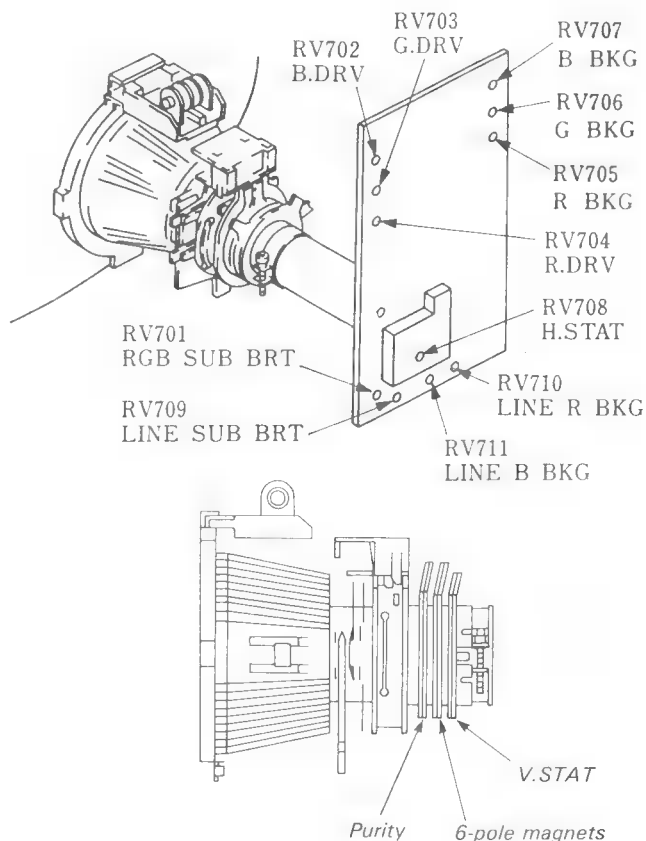


Fig. 3

3-2. DEFLECTION YOKE NECK ADJUSTMENT

Perform this adjustment when there is misconvergence and pincushion distortion at the top and bottom of the picture.

1. Tilt the deflection yoke up and down to adjust when the pincushion distortion is not the same at the top and bottom of the picture. (Fig. 4)

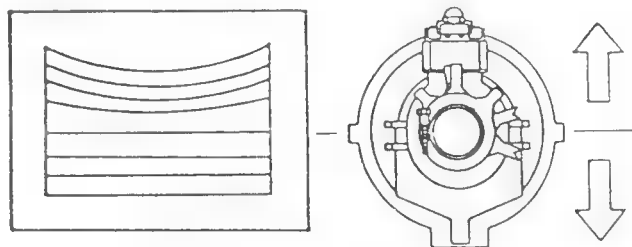


Fig. 4

2. When there is misconvergence at the top and bottom of the picture as shown in Fig. 5, tilt the deflection yoke to the left and right to adjust.

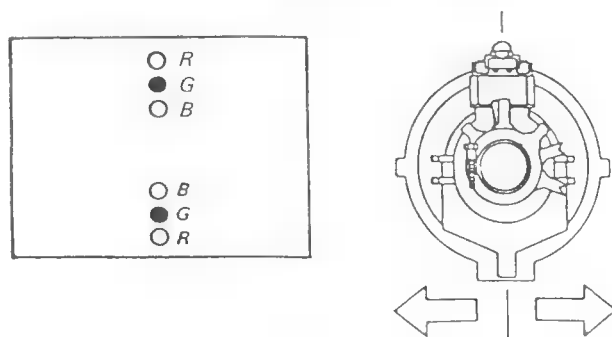
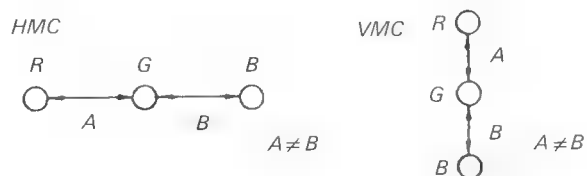


Fig. 5



Dot Movement due to 6-pole Magnet movement

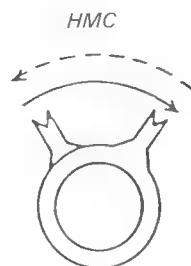


Fig. 6

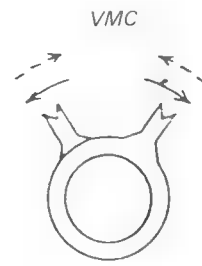
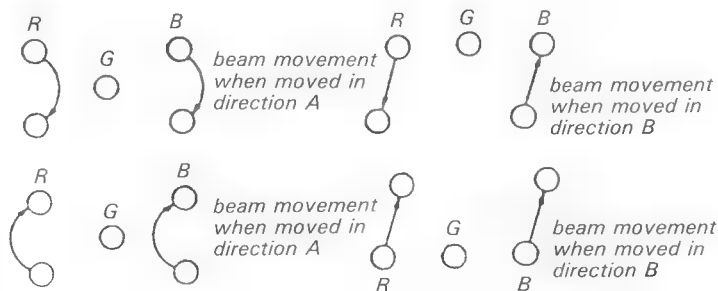


Fig. 7

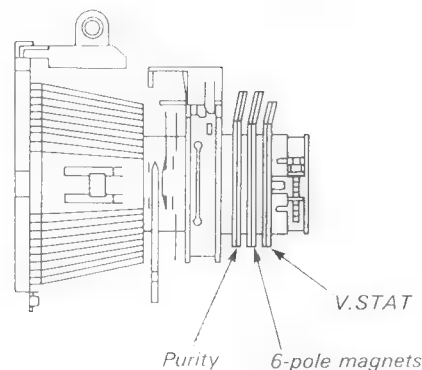


- 1) Convergence Adjustment for Picture Center (H. STAT, V. STAT)

1. Input a dot signal, and with BRT at minimum, adjust for optimum picture with PICTURE.
2. Line up picture center and horizontal direction RGB dots with H. STAT VR (RV703).
3. Line up picture center and vertical direction RGB dots with V. STAT magnet.

- 2) Picture center horizontal direction asymmetrical misconvergence (HMC)
Picture center vertical direction asymmetrical misconvergence (VMC)

4. For HMC, move the six-pole magnet to adjust so that the R and B dots are symmetrical to the right and left of the G dot.
5. For VMC, move the six-pole magnet to adjust so that the R and B dots are symmetrical above and below the G dot.



3) Picture Periphery Convergence Adjustment

1. For Y crosstalk, adjust with the Y crosstalk correction magnet.

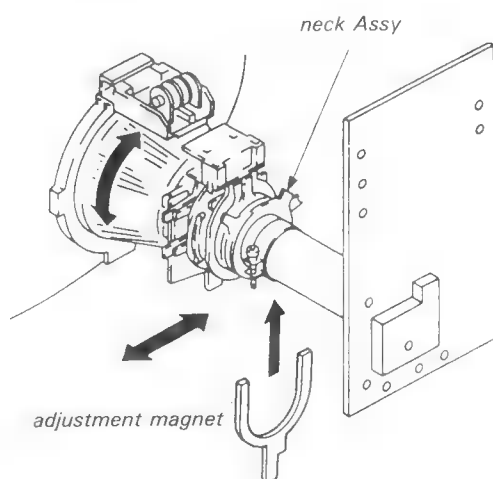
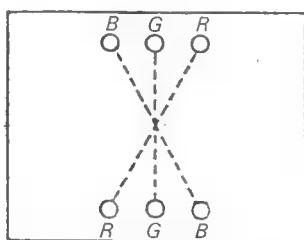
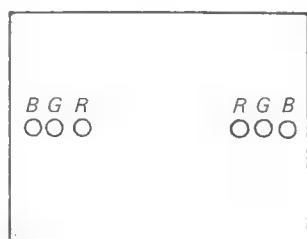


Fig. 8

2. Adjust with the X crosstalk adjustment magnet when there is H TILT.



When red dots are off to the inside at the right and left.

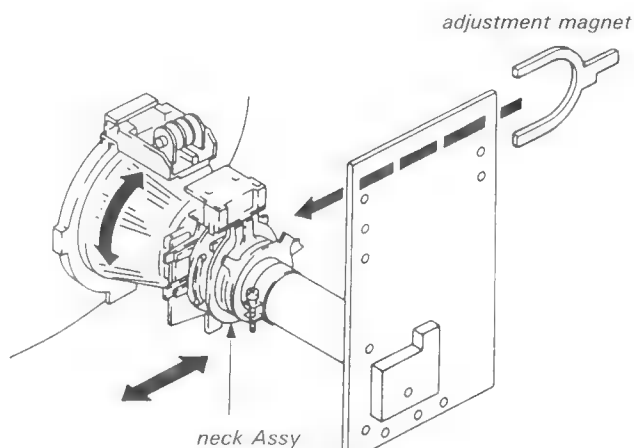
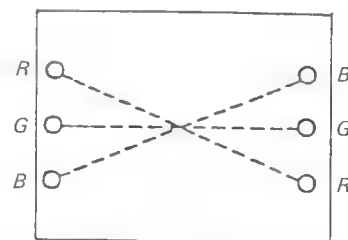
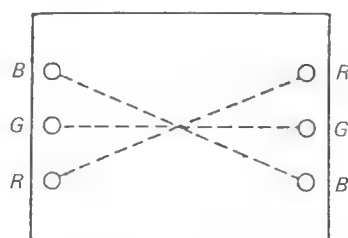


Fig. 9

3. Adjust with the deflection yoke reactor correction coil when there is X crosstalk. (Fig. 10)

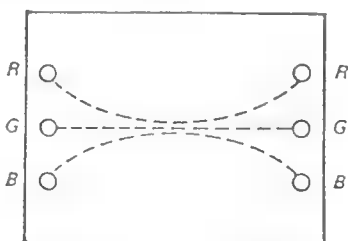


In this case adjust with coil A in Fig. 11.



In this case adjust with coil B in Fig. 11.

4. Adjust with the deflection yoke reactor correction coil when there is X bow.



In this case adjust with coil C in Fig. 11. At this time put D core in so that the marked side is on side A. (Fig. 11)
Note: Paint D core after adjustment.

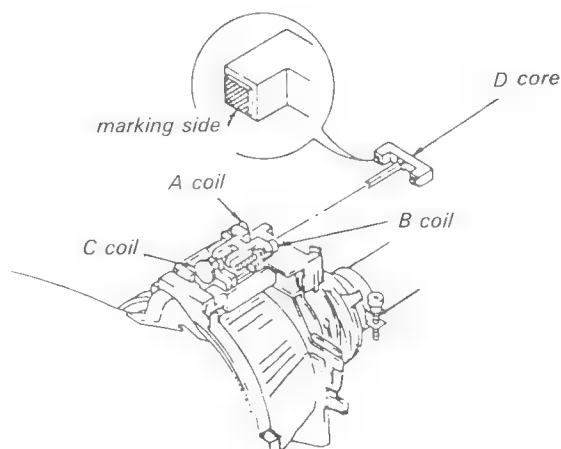


Fig. 11

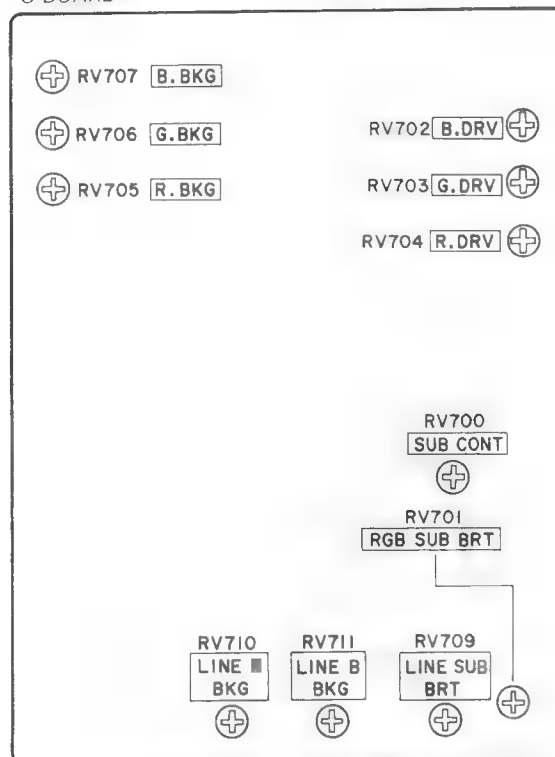
3-3. SCREEN ADJUSTMENT

- (1) Input no signal at RGB mode.
- (2) Set the C board VRs as shown below.
RV705 ~ 707 R. G. B. BKG: MIN.
RV710, 711 LINE R. B BKG: MIN.
RV702 ~ 704 R. G. B DRV: MAX.
RV701 RGB SUB BRT: MAX.
RV709 LINE SUB BRT: CENT.
RV700 SUB CONT: CENT.
- (3) Lower the raster gradually by turning RV502 (SCREEN), and check which color remains at last.
- (4) Apply 140 V from the DC power supply to the cathode corresponding to the color remaining in step 3.
- (5) Adjust RV502 (SCREEN) to the point immediately before the raster is cut off.

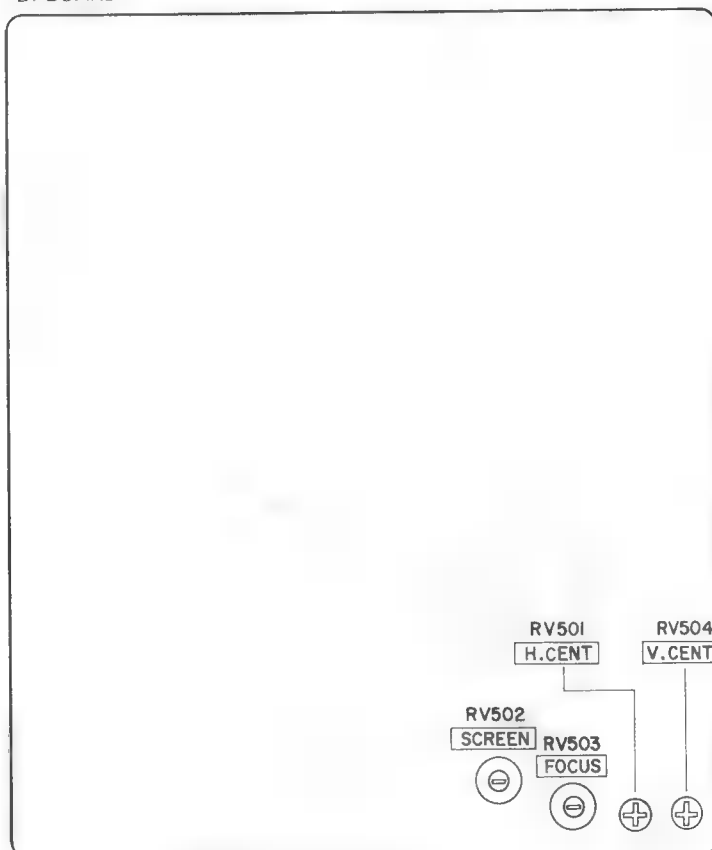
3-4. WHITE BALANCE ADJUSTMENT (1)

- (1) Input an all white signal at RGB mode, and adjust screen size with user control volume so that the all of effective screen is bright.
- (2) Demagnetize the CRT with ■ degausser.
- (3) Set trimmers as follows:
 - (i) RV705 (R. BKG) — Min.
RV706 (G. BKG) —
RV707 (B. BKG) —
 - (ii) RV704 (R. DRV) — Max.
RV703 (G. DRV) —
RV702 (B. DRV) —
 - (iii) RV701 (RGB SUB.BRT) CENT.
 - (iv) RV709 (LINE SUB.BRT)..... CENT.
 - (v) BRT VR CENT
 - (vi) PIC Max.
 - (vii) RGB PIC Max.
- (4) Attach the analyzer sensor to the center of the CRT.
- (5) Set video signal level to 10 IRE.
 0.10 ± 0.002 Vp-p (terminated at $75 \pm 1\%$).
- (6) Adjust cutoff W/B with the BKG VRs (RV705, 706, 707).
Cutoff: 3 Nit (3 ~ 4)
- (7) Set video signal level to 100 IRE.
 0.70 ± 0.002 Vp-p (terminated at $75 \pm 1\%$).
- (8) Adjust highlight White Balance with the DRV VRs (RV702, 703, 704).
* If ■ color is too bright, lower its setting.
- (9) Tracking
Repeat steps 5 to 8 so that cutoff and highlight White Balance fall within the specification.
Specification: $9300^\circ\text{K} + 8$ MPCD, within 2 JND
- (10) Set video signal level to 10 IRE.
 0.07 ± 0.002 Vp-p (terminated at $75 \pm 1\%$)
Adjust RGB SUB BRT with RV701 so that a slight brightness is obtained.
- (11) Set video signal level to 0 IRE and confirm that a total cutoff is obtained.

C BOARD



DI BOARD

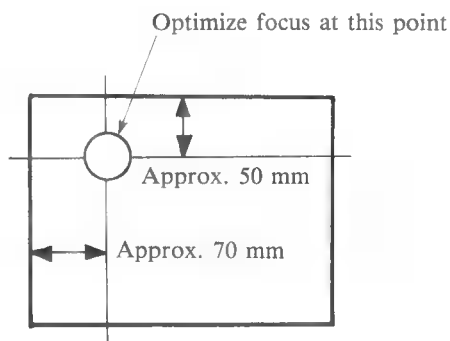


3-5. WHITE BALANCE ADJUSTMENT (2)

- (1) Input a white signal to LINE A.
- (2) Change the white signal level and set CRT luminance to 8 NIT.
- (3) Adjust white balance with RV711 **B CUT-OFF** and RV710 **R CUTOFF**.
- (4) Set white signal level to 10 IRE, and adjust RV709 **SUB BRT2** so that a slight brightness is obtained. Also confirm that ■ total cutoff is obtained at 0 IRE.
- (5) Set white signal level to 100 IRE and confirm that highlight white balance is within the specification.
- (6) Input a 100-IRE window signal
(H: 18 μ s, V: 5 ms).
- (7) Adjust RV700 so that luminance of the window becomes 180 \pm 20 NIT.

3-6. FOCUS ADJUSTMENT

- 1) In the RGB A mode, display characters on the whole screen at fh 31.47 kHz, 60 Hz.
- 2) Adjust RV503 (FOCUS) so that focus is optimum at the point shown below, with the following settings: BRT center, PIC max., RGB PIC max.



- 3) Change to ■ white signal.
- 4) Confirm that there are no magenta rings.

SECTION 4

SAFETY RELATED ADJUSTMENTS

■ R1678, +B (Vcc) MAX Check

Always perform the checks below after replacing the following parts (marked ■ on the circuit diagram).

■ D2 board: IC1501, IC1503, IC1505, Q1502
R1503, R1504, R1507, R1508
R1509, R1510, R1511, R1516
R1519, R1521, R1522, R1534
R1540, R1541, R1546, R1565
R1642, R1653, R1673, R1678

■ D1 board: R592, R595

■ G board: Q907, R916, R919

1. Input 130 ± 2 V AC (distortion 3% or less).
2. In the RGB mode, receive a fH 15.734-kHz dot-hatch signal.
3. * Contrast minimum
* Bright minimum
4. Connect a digital multimeter to TP1502.
5. Confirm that voltage at TP1502 (Vcc) is 58.5 V or less when RV1501 on the D2 board is set to MAX.
6. Switch to a fH 21.86-kHz dot-hatch signal and confirm that voltage at TP1502 is 80.0 V or less when RV1501 is set to MAX at the settings indicated in 3. above.
7. Switch to ■ fH 31.5-kHz dot-hatch signal and confirm that voltage at TP1502 is 115 V or less when RV1501 is set to MAX at the settings indicated in 3. above.
8. In the LINE A mode, receive a dot-hatch signal and confirm that voltage at TP1502 is 62.5 V or less when RV1501 is set to MAX at the settings indicated in 3. above.
9. Switch to a fH 21.86-kHz color-bar signal and set PIC to MAX, BRIGHT to the center, and RGB PIC to MAX.
10. Adjust RV1501 so that voltage at TP1502 becomes 77.0 ± 0.5 V.
11. In case the above specification cannot be satisfied, change the R1678 resistor rating.

■ R1548 Hold-down Circuit Check

Always perform the checks below after replacing the following parts (marked ■ on the circuit diagram).

■ D2 board: IC1502, IC1504, D1510,
R1616
R1622, R1625, R1626, R1631,
R1548, R1552, R1553, R1554
R1564

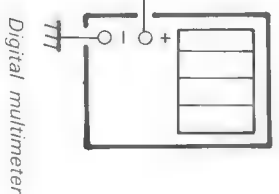
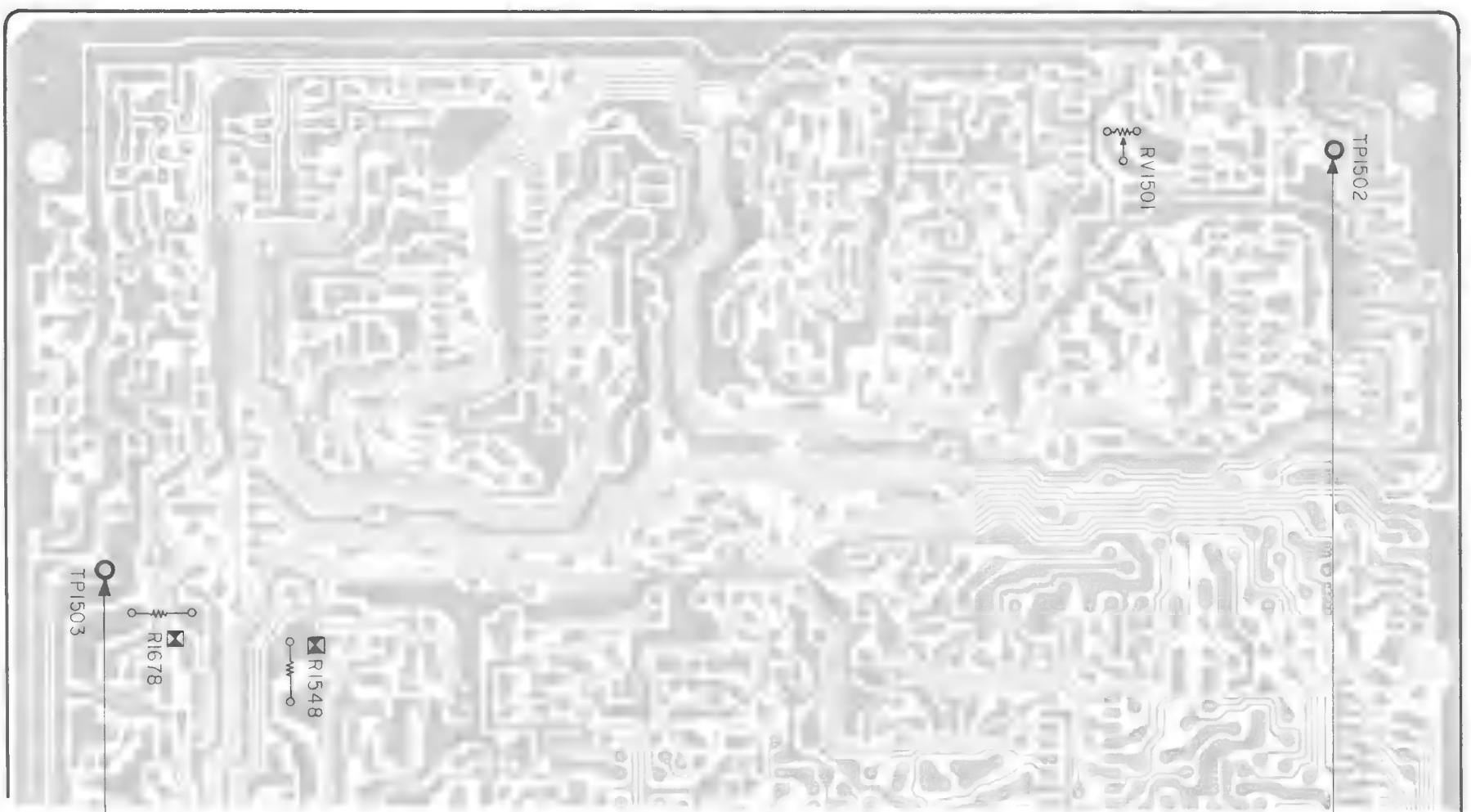
1. Receive ■ white signal
2. * Contrast maximum
* Bright maximum
3. Connect a digital multimeter to TP1503.
4. Confirm that the digital multimeter voltage reading is 6.5 ± 1.5 V DC.
5. Confirm that there is ■ shorting plug inserted into the D-16 connector, then connect an ammeter.
6. Set the VIDEO mode (high level at Pin ⑨ of the D-21 connector) and receive the dot-hatch signal.
7. Adjust the bright and contrast controls to minimum and set the ammeter reading to $IABL = 100 \pm 30$ [μA].
8. Externally apply a voltage to TP1503 and confirm that the hold-down circuit operates at 8.70 ± 0.05 V and the screen is erased.
9. In the same way, externally apply a voltage to TP1503 and confirm that the hold-down circuit does not operate at 8.20 ± 0.05 Vdc.
10. Receive ■ white signal.
11. Adjust the bright and contrast controls to maximum and set the ammeter reading to $IABL = 600 \pm 40$ [μA].
12. Externally apply a voltage to TP1503 and confirm that the hold-down circuit operates at 7.95 ± 0.05 V and the screen is erased.
13. In the same way, externally apply a voltage to TP1503 and confirm that the hold-down circuit does not operate at 7.55 ± 0.05 Vdc.
14. In case the above specifications cannot be satisfied, change the R1548 resistor rating.

HVR Check After Replacement

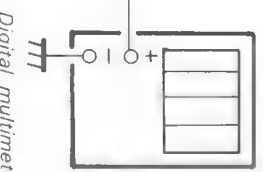
After replacing the HVR, be sure to confirm that the voltage below is being output.

1. Receive a white signal.
2. * Contrast...maximum
* Bright...maximum
3. Connect a digital multimeter to TP1503.
4. Confirm that the digital multimeter voltage reading is 6.5 ± 1.5 V DC.

D2 BOARD

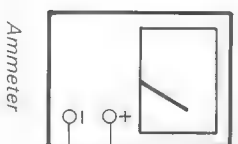
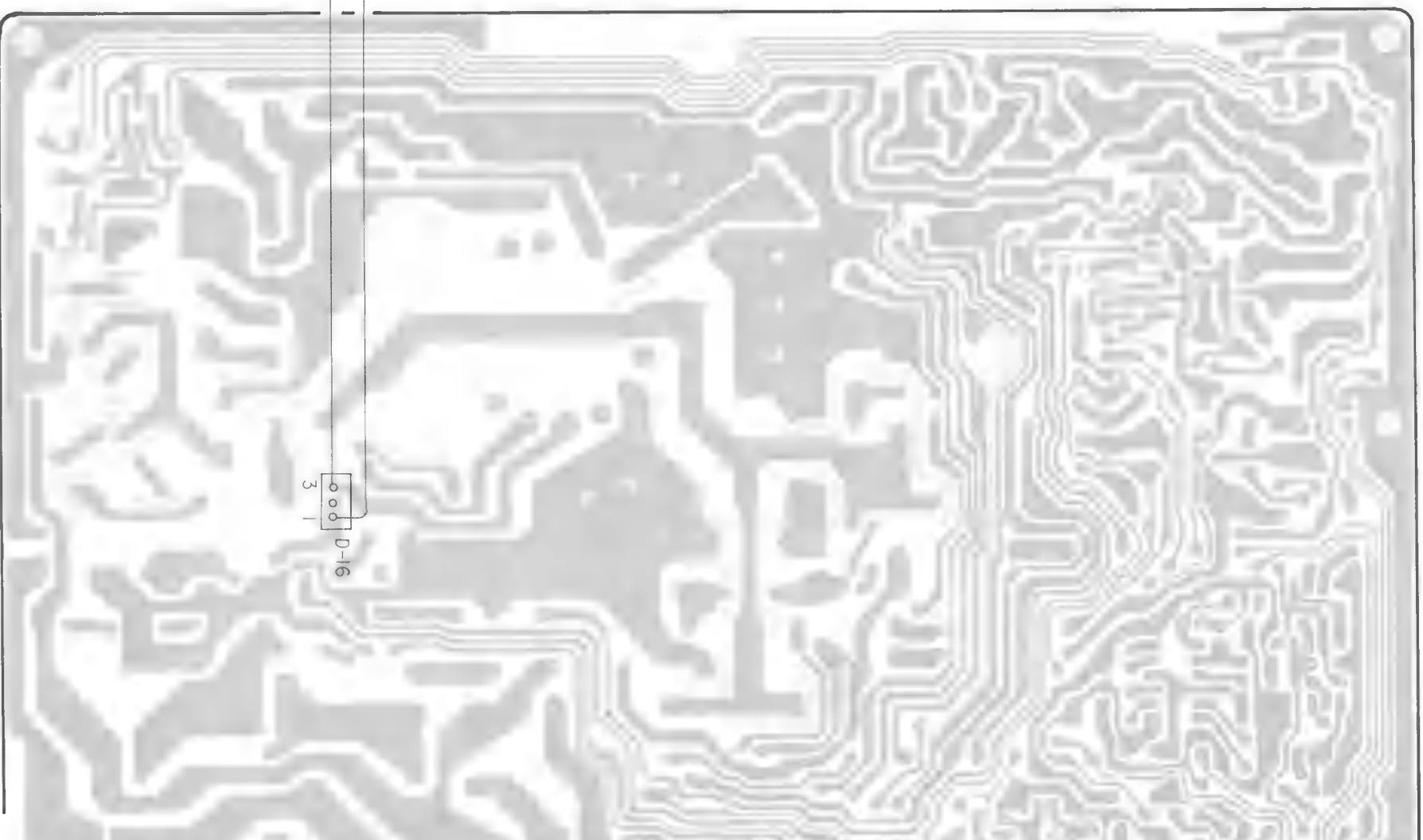


Digital multimeter



Digital multimeter

D1 BOARD



Ammeter

SECTION 5
CIRCUIT ADJUSTMENTS

5-1. D1, D2 BOARDS ADJUSTMENT

Vc Voltage Adjustment

* High level at Pin ⑨ of the D-21 connector

- 1) Input signal fr: 15.735 kHz
fv: 60 Hz
Measurement point: TP1501 (Vc)
Specification: 3.50 ± 0.05 Vdc
If the specification is not satisfied, adjust $\Delta R1678$ (1/4 W, 10 k Ω to 22 k Ω).
- 2) Switch input signals to fr: 31.47 kHz
fv: 60 Hz
and confirm that voltage at TP1501 is 7.0 ± 0.1 Vdc
- 3) Set voltage at Pin ⑨ of the D-21 connector to 2 V or less.
- 4) Select $\Delta R1729$ (1/4 W, 24 to 270 k Ω) so that voltage at TP1501 is 3.50 ± 0.05 Vdc, and solder it.

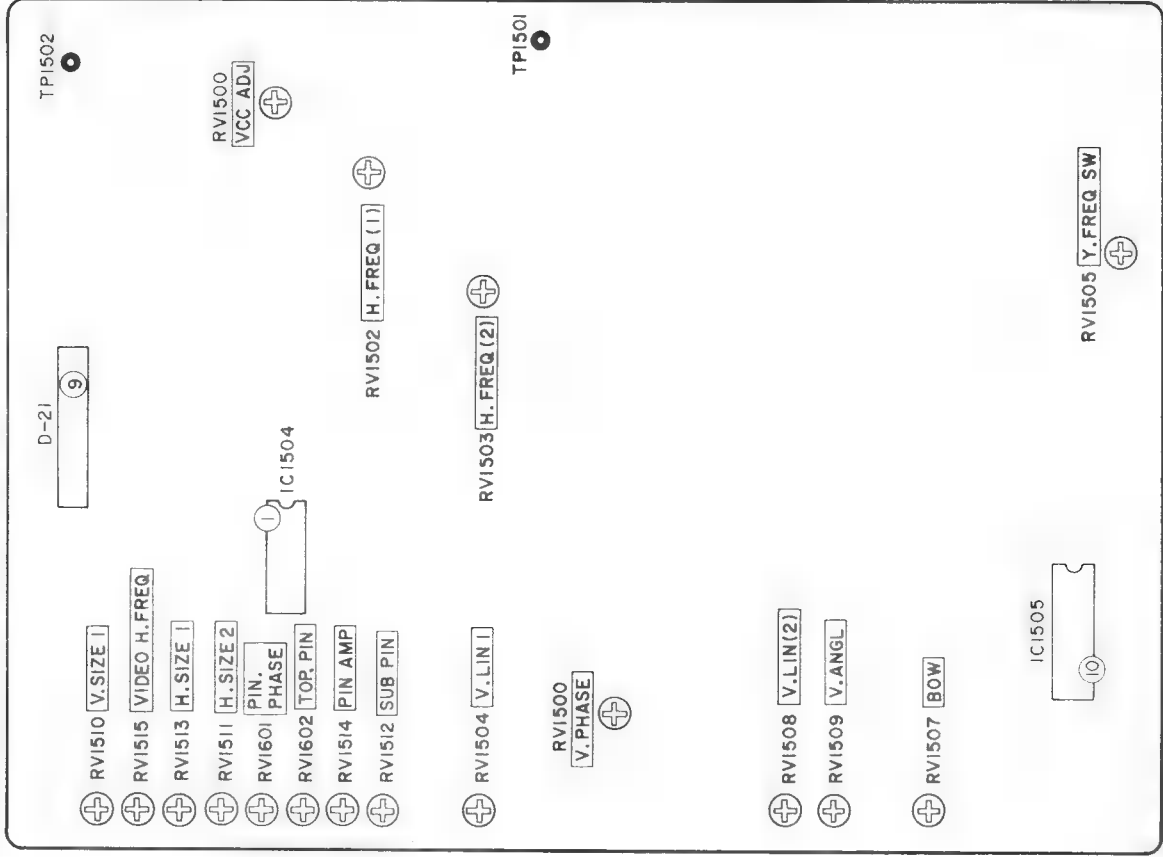
Horizontal Oscillation Frequency Adjustment

- Input signals
1. fr: 15.734 kHz fv: 60 Hz
 2. fr: 21.86 kHz fv: 60 Hz
 3. fr: 33.00 kHz fv: 60 Hz

* High level at Pin ⑨ of the D-21 connector
* Always perform Vc voltage adjustment first.

- 1) Connect $\blacksquare 10\text{-}\mu\text{F}/16\text{-V}$ chemical capacitor between Pin ① of IC1504 and ground (D-26 connector).
- 2) Connect a frequency counter to Pin ⑩ of IC1505 (TP1507).
- 3) Confirm that RV1503 is set to the mechanical center, input signal No. 3 above and adjust RV1502 so that the counter reads 33.00 ± 0.1 kHz.
- 4) Change the input to signal No. 1 and adjust RV1503 so that the counter reads 15.734 ± 0.05 kHz.

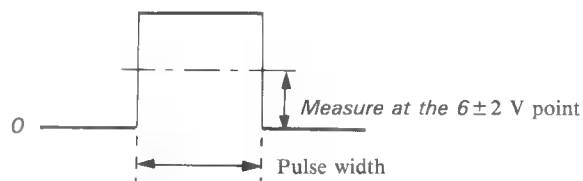
D2 Board



- 5) Change the input back to signal No. 3 and adjust RV1502 so that the counter reads 33.00 ± 0.1 kHz.
- 6) Change the input to signal No. 2 and confirm that the counter reads 21.86 ± 0.3 kHz.
- 7) Repeat steps 4 to 6 above and adjust tracking so that readings are within specifications for all three signals.
- 8) Change the input from RGB to VIDEO (turn level at Pin ⑦ of the D-21 connector to low) and receive a monoscope or color-bar signal.
- 9) Adjust RV1515 so that the counter reads 15.734 ± 0.1 kHz.

Horizontal Drive Pulse Adjustment

- 1) Input a signal of f_H 15.734 kHz, f_v 60 Hz, monitor Pin ⑩ (TP1507) of IC1505 with an oscilloscope and adjust Δ RV1670 (1/4 W, RN, 4.7 to 100 k Ω) so that pulse width becomes $24.0 \pm 1.5 \mu s$.
- 2) Change the input signal to f_H 31.47 kHz, f_v 60 Hz, and confirm that pulse width is $12.0 \pm 1.0 \mu s$.



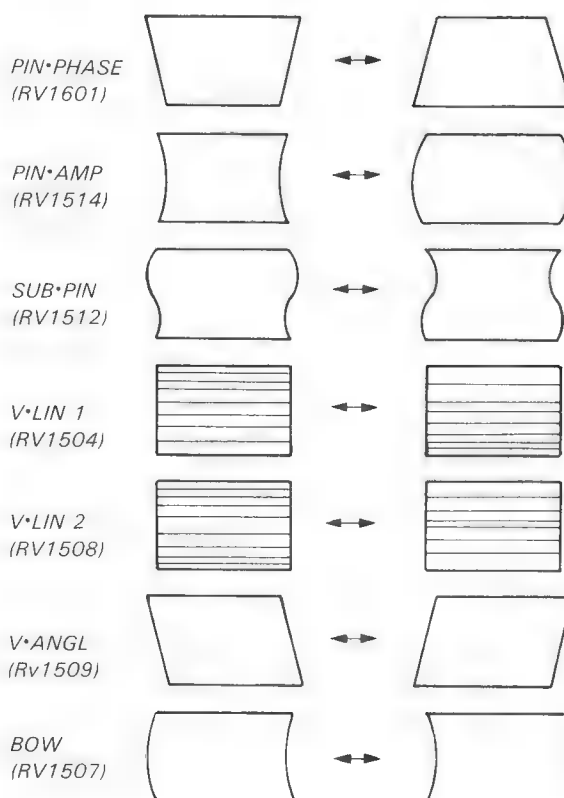
f_H 15.734 kHz $24.0 \pm 1.5 \mu s$
 31.47 kHz $12.0 \pm 1.0 \mu s$

Deflection Adjustment

- 1) In the VIDEO mode, input a monoscope signal, turn the controls listed below, and confirm that they work properly.

RV1510 V·SIZE 1

RV1511 H·SIZE 2



Horizontal size specification: 15.0 ± 0.3 frame

Vertical size specification: 11.2 ± 0.3 frame

- 2) Set the RGB mode and input a dot-hatch signal of f_H 21.86 kHz and f_v 60 Hz.
- 3) Coarsely adjust RV1513 (H-SIZE 1) and RV1602 (TOP-PIN). Reduce horizontal size by turning H-SIZE 1, and stop immediately before pincushion distortion appears.

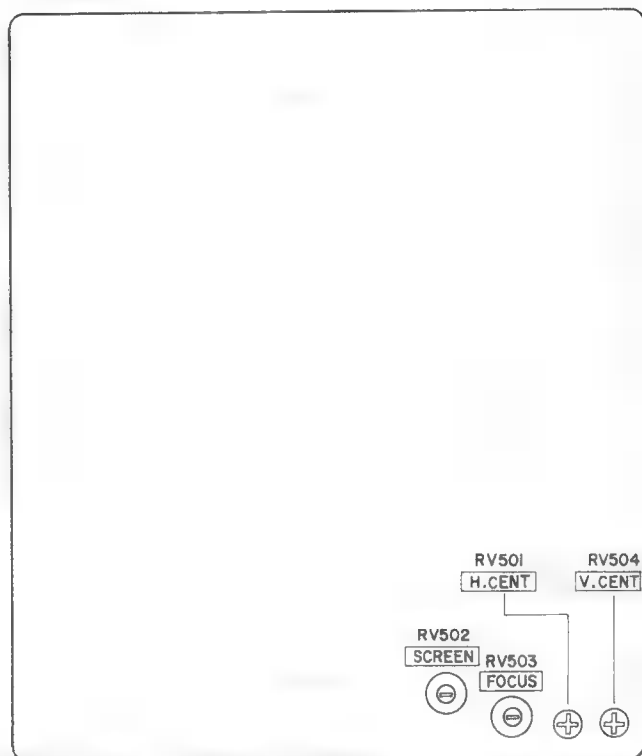


Note: When adjusting H-SIZE 1, be sure to set the H-SIZE user control to the minimum position.

- 4) Turn the controls below and confirm that they work properly. Then return them to their mechanical centers.

RV501 H•CENT
RV504 V•CENT
RV502 SCREEN
RV503 FOCUS

D1 Board



Vertical Sync Frequency Recognition Circuit Adjustment

* High level at Pin ⑨ of the D-21 connector

- 1) In the RGB mode, input a signal of f_H 15.7 kHz and f_V 64 kHz.
- 2) Adjust RV1505 to the exact point where vertical size is enlarged.

+ B (Vcc) Adjustment

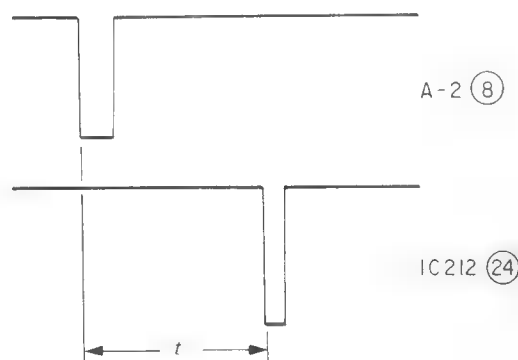
* High level at Pin ⑨ of the D-21 connector

- 1) Input a color-bar signal of f_H 21.8 kHz and f_V 60 Hz.
- 2) Adjust RV1501 so that voltage at TP1502 (Vcc) becomes 77.0 ± 0.5 Vdc.

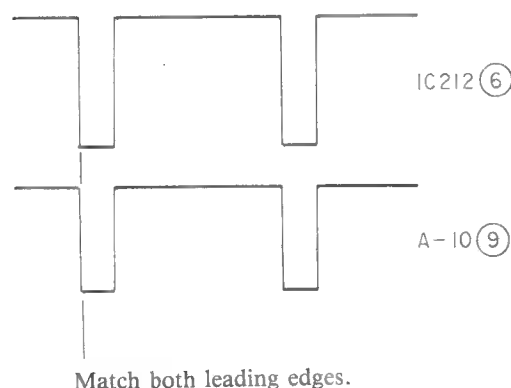
5-2. A BOARD ADJUSTMENT

Input a signal to RGB A.

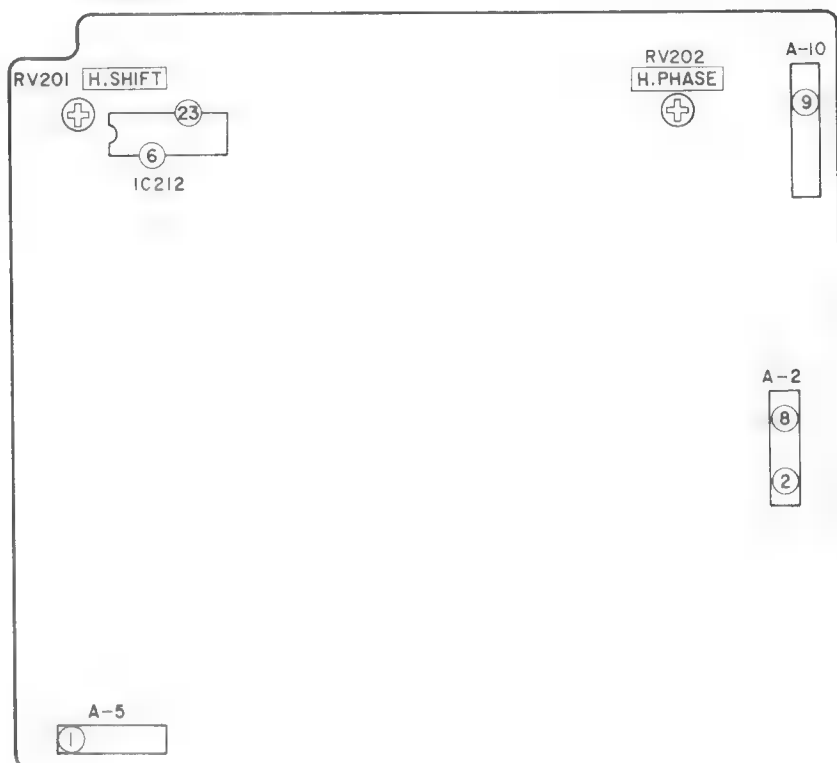
- (1) Press RGB A.
- (2) Confirm that a voltage of $12\text{ V} \pm 5\text{ V}$ is output to Pin ② of A-2.
- (3) Set f_H to $33.00\text{ kHz} \pm 0.05\text{ kHz}$ (negative polarity sync).
- (4) Monitor Pin ⑧ of A-2 and Pin ②③ of IC212, and adjust RV201 [H.SHIFT] on the A board to $t = 24.5\mu\text{s} \pm 0.1\mu\text{s}$ in the figure below.



- (5) Press LINE A.
- (6) Input a monoscope signal to LINE A.
- (7) Monitor Pin ⑥ of IC212 and Pin ⑨ of A-10.
- (8) Adjust RV202 [H.PHASE] on the A board so that both sync leading edges match in the figure below.



A Board

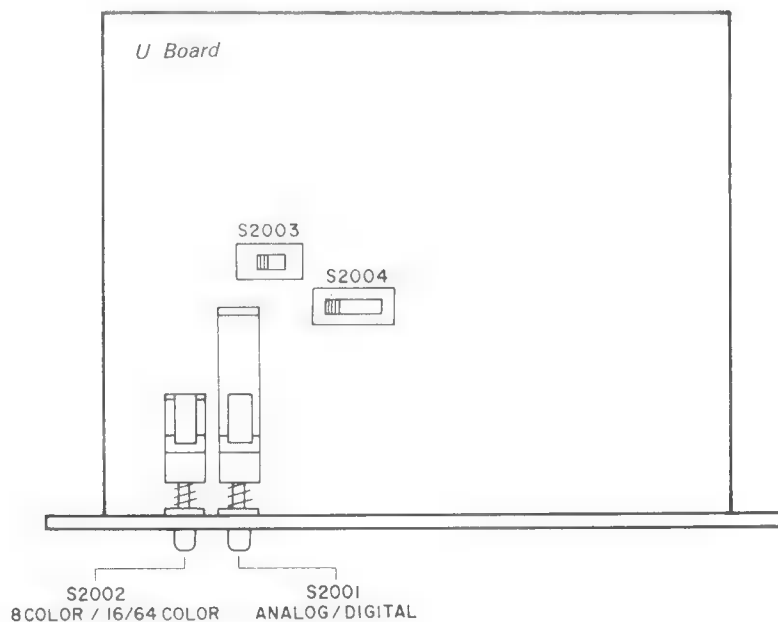


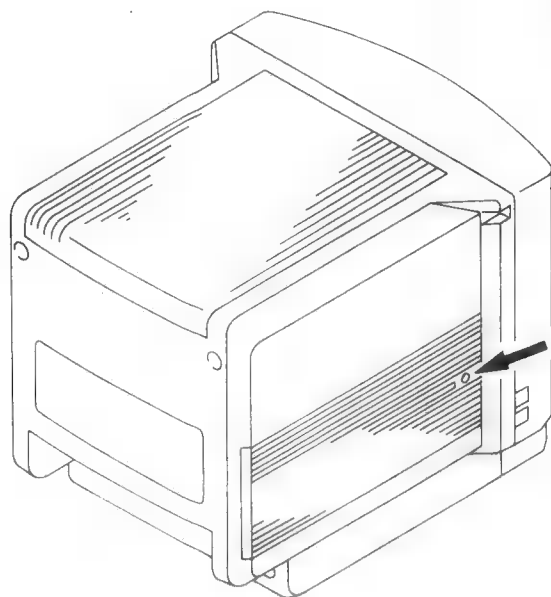
Service Switches on the U Board

Normally, when a digital signal is input, differentiation between MDA (monochrome), CGA (16 colors) and EGA (64 colors) can be performed automatically according to sync polarity by setting S1 to 16/64 COLOR. When automatic differentiation is not possible due to signal condition, S2004 is used. S2004 is normally set to the "8" position at the factory. Change it to 16, 64 or MONO. Then switch S1 to the 8 COLOR position

(S1 can be switched between 8 COLOR and 16/64 COLOR, but the display mode when set to 8 COLOR can actually be selected with S2004).

S2003, on the other hand, is used to switch display color in the monochrome mode between green and amber. It is normally set to the green position at the factory.



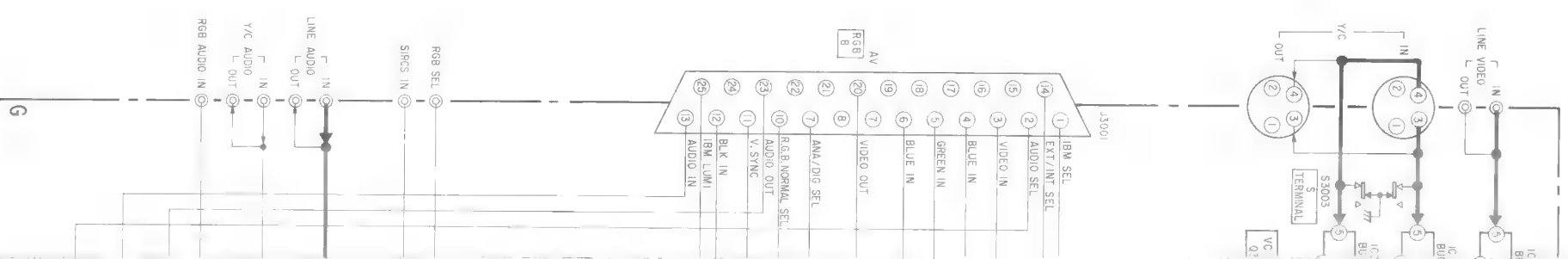
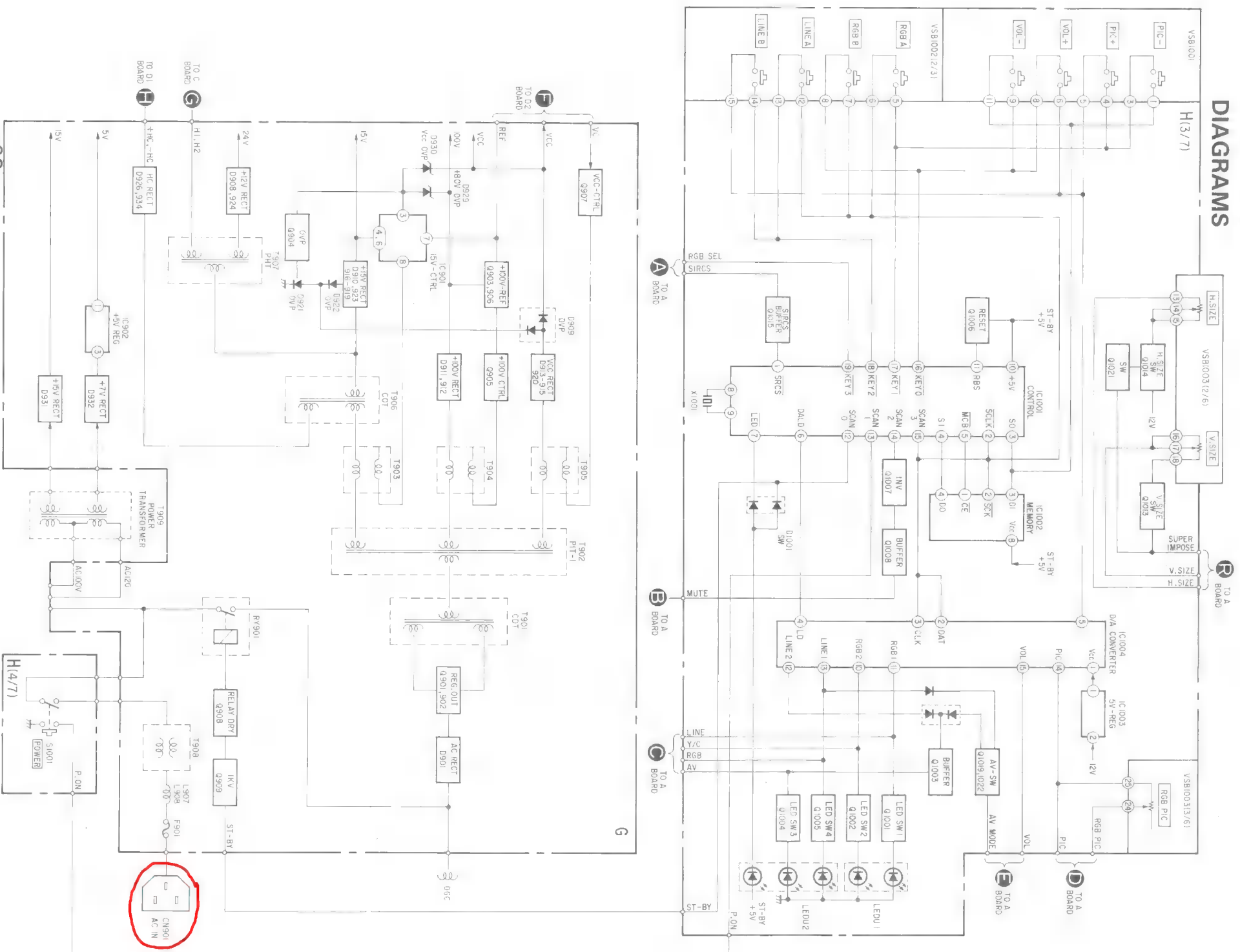


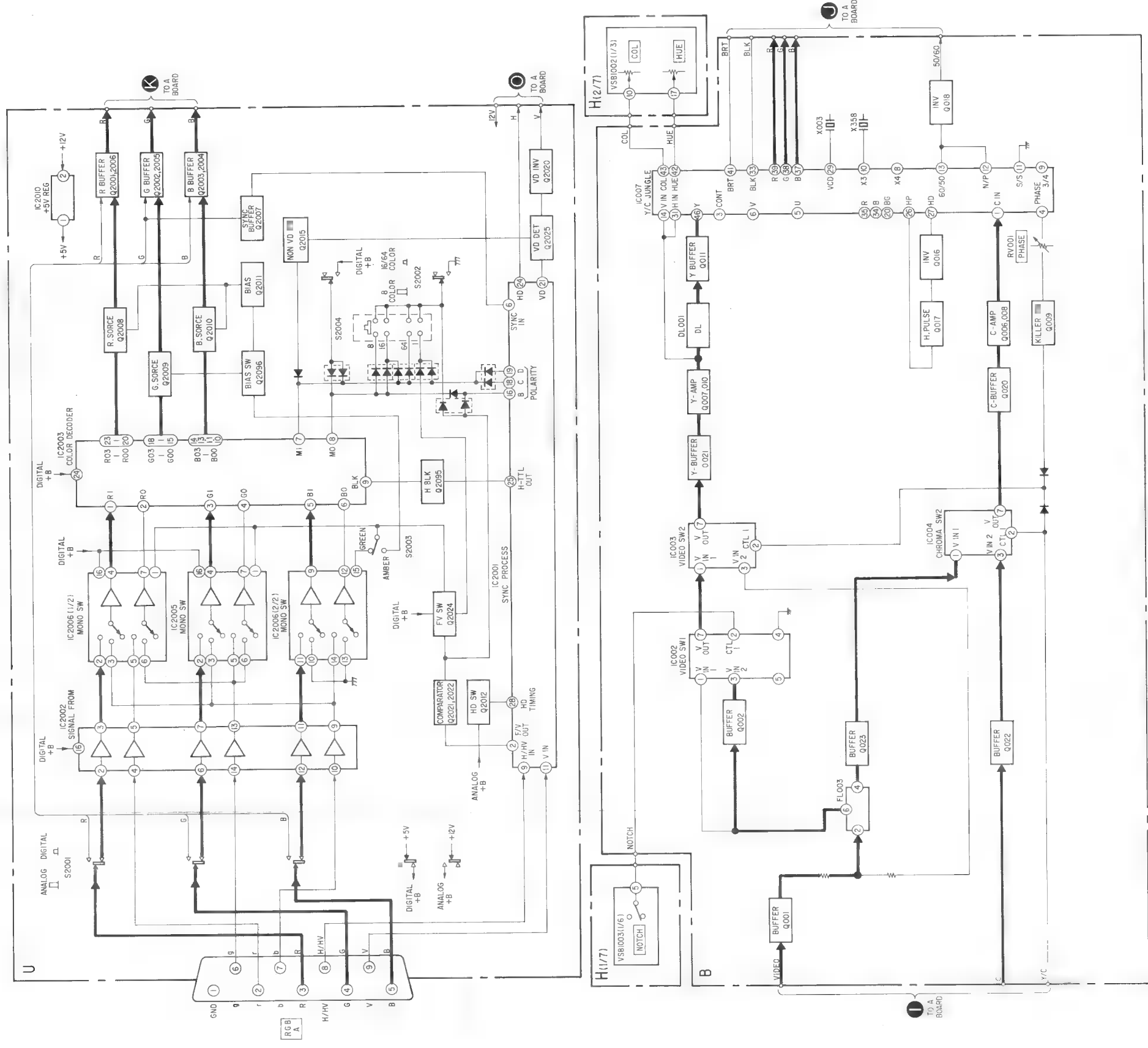
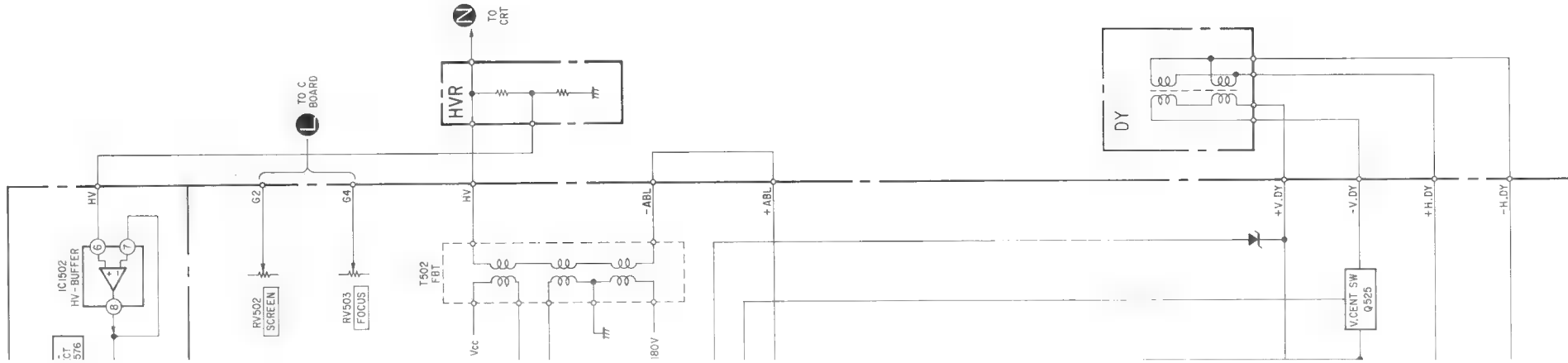
About the Hole on the left side of the Unit

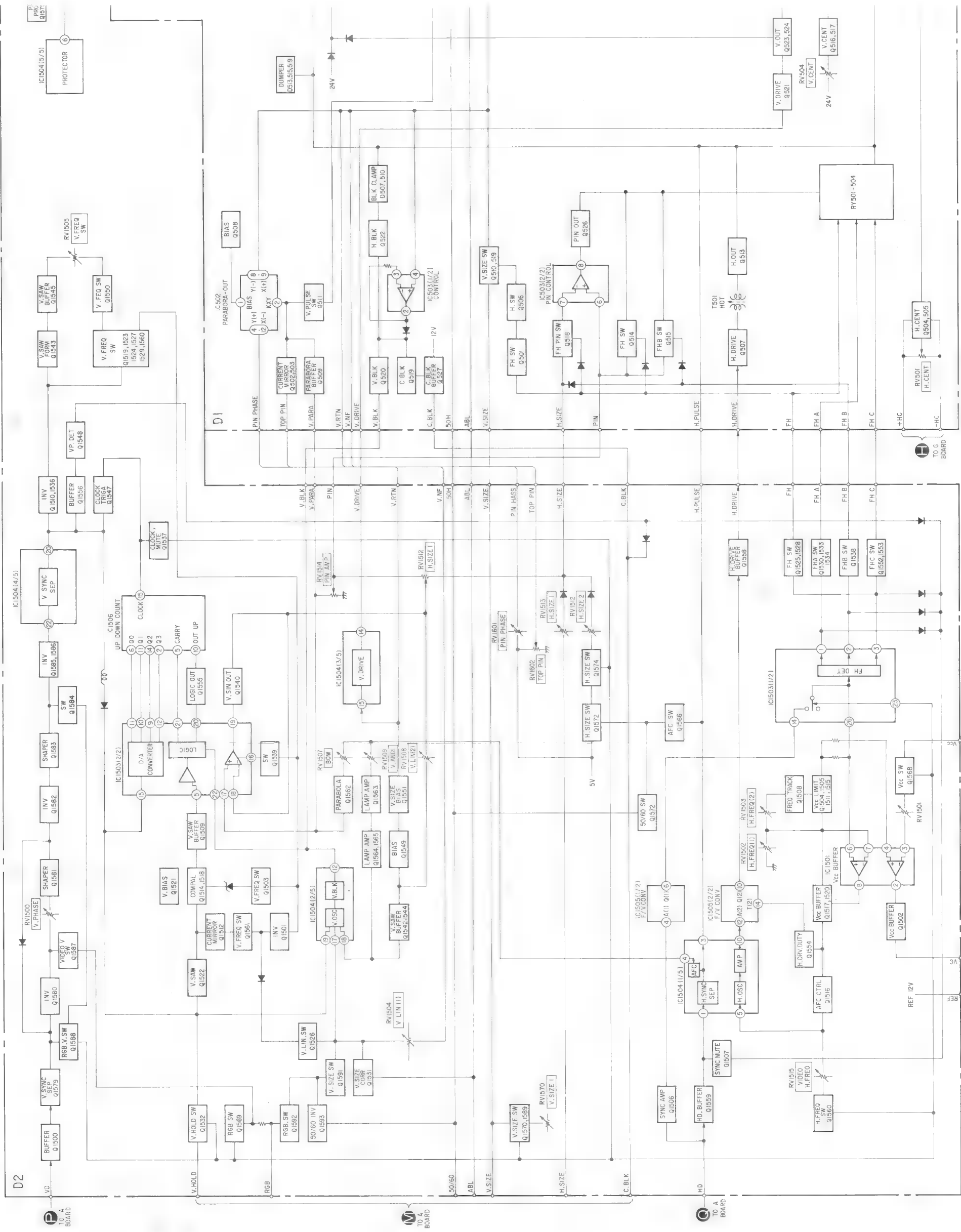
Depending on the input signal, pincushion distortion may occur (this is likely when connecting a NEC PC-9801 or Apple MAC II computer, etc.). In that case, insert a 2-mm screwdriver into the hole on the left side of the unit and turn it to correct distortion.

SECTION 6 DIAGRAMS

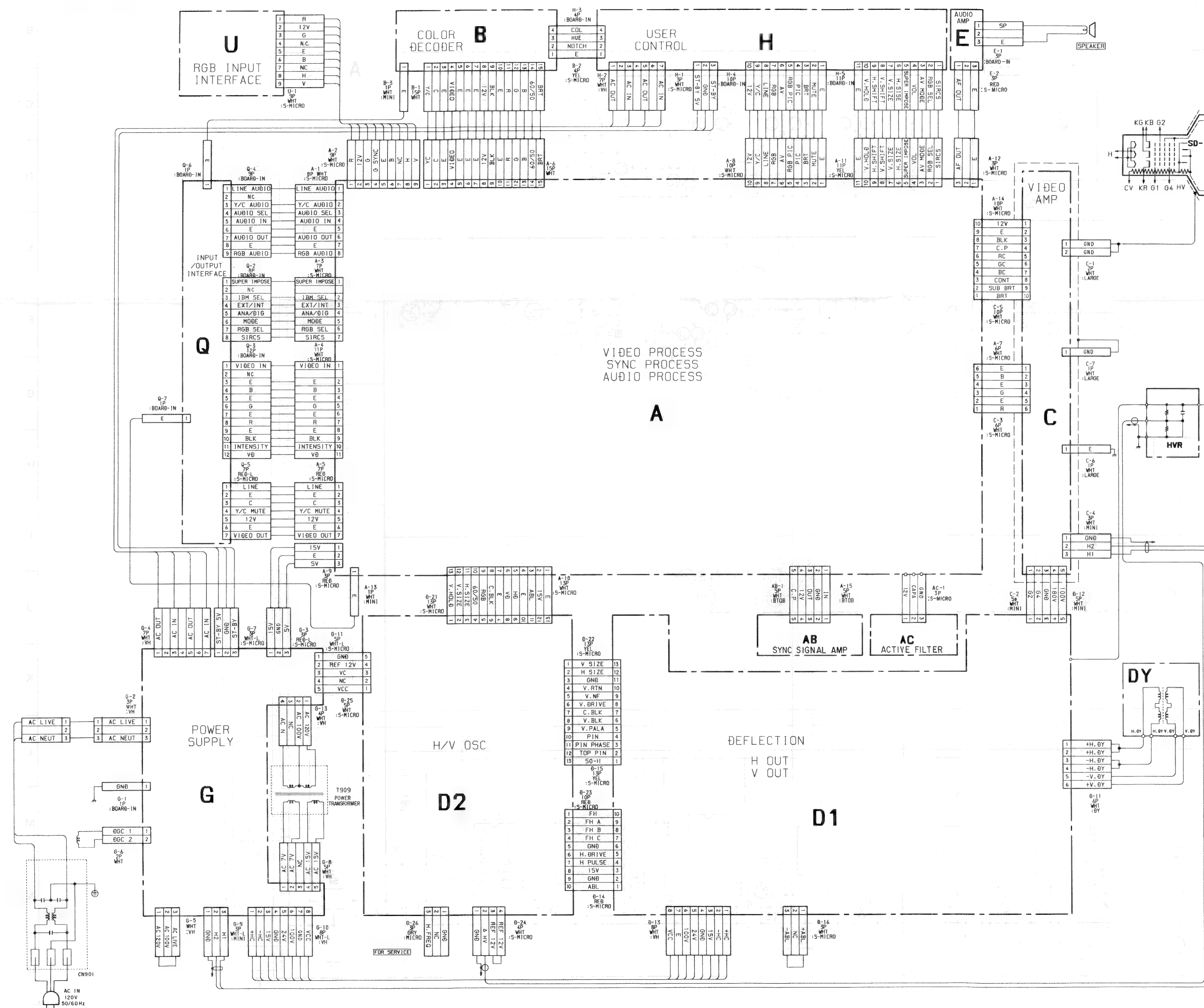
6-1. BLOCK DIAGRAM



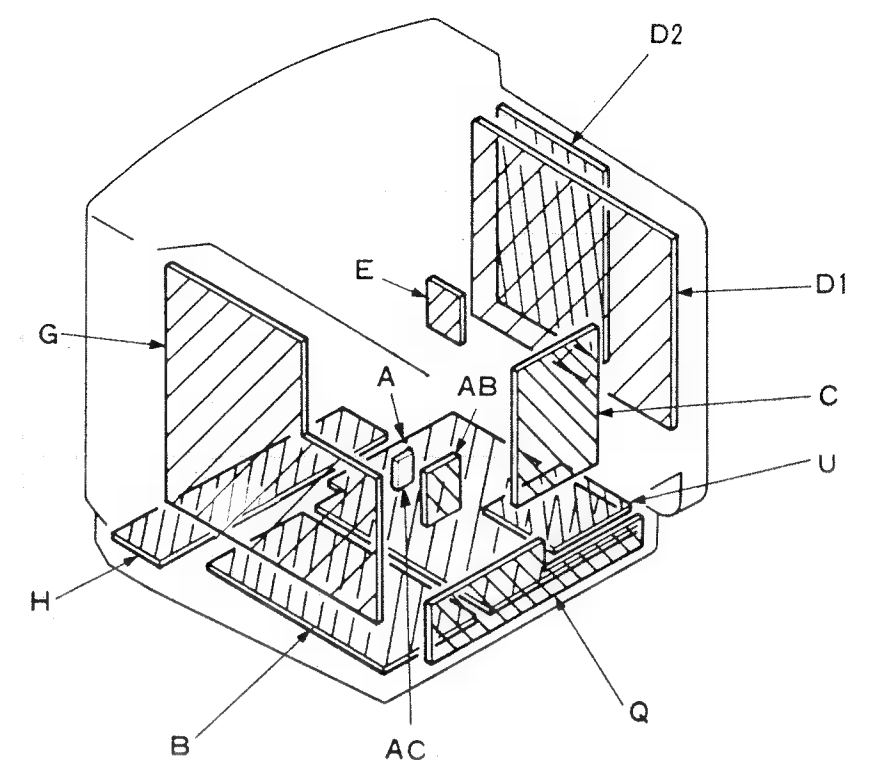








6-2. FRAME SCHEMATIC DIAGRAM









6-3. CIRCUIT BOARDS LOCATION




Note :


- All resistors are in ohms, 1/10W unless otherwise noted. kΩ: 1000, MΩ: 100k.
- All capacitors are in μF unless otherwise noted, pF: μF, 50V or less are not indicated except for electrolytics and tantalums.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
-  : nonflammable resistor.
-  : fuseable resistor.
-  : panel designation and adjustment for repair.
-  : internal component.
- * ADJUSTMENT resistor measurement impossibility (D2 BOARD R1670, R1729, R1751)

- Circled numbers refer to waveforms.
 - All voltages are in V.
 - Voltage are dc with respect to ground unless otherwise noted.
 - Readings are taken with a 10 M Ω digital multimeter.
 - Voltage variations may be noted due to normal production tolerance.
 - Can not be measured.
 -  B + line.
 -  B - line.
- No Mark : VIDEO IN
 { } : S-VIDEO
 < > : DIGITAL
-  : signal path.

- The components identified by  in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by , make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by  and repeat the adjustment until the specified value is achieved. (Refer to R1678, R1548
adjust on page 20)
- When replacing the part in below table be sure to perform the related adjustment.

Part replaced (H)	Adjustment (H)
IC501, IC503, IC505, Q1502, R1503, R1504, R1507, R1508 R1509, R1510, R1511, R1516, R1517, R1518, R1522, R1534, R1540, R1541, R1546, R1565 R1642, R1653, R1673, R1678 D2 BOARD	R1678 (+ B (Vcc) MAX) D2 BOARD
R592, B695 ... D1 BOARD	
R907, R916, R919 ... (G BOARD32)	
IC1502, IC1504, D1510, R1616 R1622, R1625, R1626, R1631, R1548, R1549, R1552, R1553, R1554, R1564 ... D2 BOARD,	R1548 (HOLD-DOWN D2 BOARD)

Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par une trame et par une marque  sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

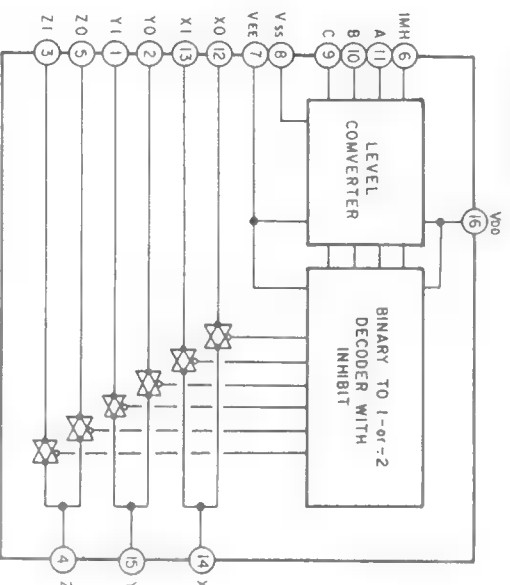
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P



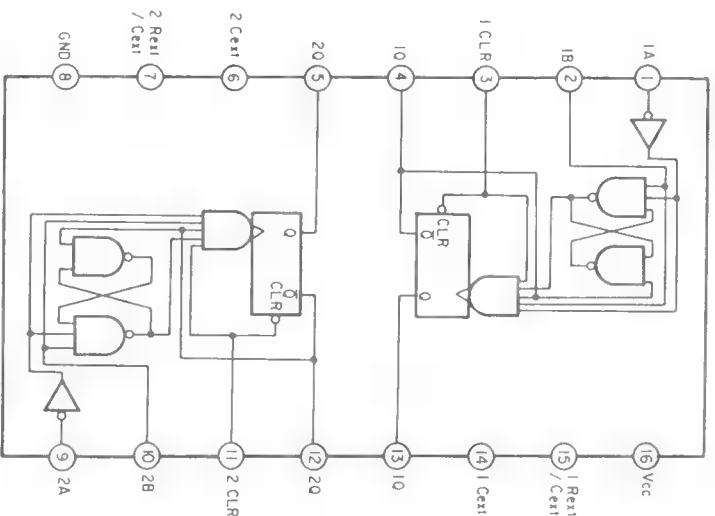
A BOARD

IC	Q230	I-6	D208	G-10
IC201	Q231	I-7	D209	E-2
IC202	Q232	H-7	D210	B-8
IC203	Q233	F-9	D211	H-4
IC204	Q234	A-9	D212	D-9
IC205	Q235	H-7	D213	B-1
IC206	Q236	J-3	D214	G-5
IC207	Q237	G-5	D215	C-8
IC208	Q238	I-11	D216	D-8
IC209	Q239	C-1	D217	A-4
IC210	Q240	C-7	D218	D-4
IC211	Q241	A-4	D219	B-2
IC212	Q242	A-2	D220	G-5
IC213	Q243	A-6	D221	F-10
IC214	Q244	A-8	D222	E-5
IC215	Q245	B-7	D223	G-6
IC216	Q246	I-4	D224	A-3
IC217	Q247	B-6	D225	D-12
IC218	Q248	E-5	D226	
IC219	Q249	H-4	D227	
IC220	Q250	J-10	D228	
IC221	Q251	D-5	D229	
IC222	Q252	G-9	D230	
IC223	Q253	F-10	D231	
IC224	Q254	K-5	D232	
IC225	Q255	G-5	D233	
IC226	Q256	C-5	D234	
IC227	Q257	C-9	D235	
IC228	Q258	H-4	D236	
IC229	Q259	F-4	D237	
IC230	Q260	I-7	D238	
IC231	Q261	H-7	D239	
IC232	Q262	H-3	D240	
IC233	Q263	I-4	D241	
IC234	Q264	E-8	D242	
IC235	Q265	F-12	D243	
IC236	Q266	F-11	D244	
IC237	Q267	F-10	D245	
IC238	Q268	I-4	D246	
IC239	Q269	J-4	D247	
IC240	Q270	H-3	D248	
IC241	Q271	I-4	D249	
IC242	Q272	E-8	D250	
IC243	Q273	F-12	D251	
IC244	Q274	F-11	D252	
IC245	Q275	F-10	D253	
IC246	Q276	I-4	D254	
IC247	Q277	J-4	D255	
IC248	Q278	H-3	D256	
IC249	Q279	I-4	D257	
IC250	Q280	E-8	D258	
IC251	Q281	F-12	D259	
IC252	Q282	F-11	D260	
IC253	Q283	F-10	D261	
IC254	Q284	I-4	D262	
IC255	Q285	J-4	D263	
IC256	Q286	H-3	D264	
IC257	Q287	I-4	D265	
IC258	Q288	E-8	D266	
IC259	Q289	F-12	D267	
IC260	Q290	F-11	D268	
IC261	Q291	F-10	D269	
IC262	Q292	I-4	D270	
IC263	Q293	H-3	D271	
IC264	Q294	I-4	D272	
IC265	Q295	J-4	D273	
IC266	Q296	H-3	D274	
IC267	Q297	I-4	D275	
IC268	Q298	E-8	D276	
IC269	Q299	F-12	D277	
IC270	Q300	F-11	D278	
IC271	Q301	F-10	D279	
IC272	Q302	I-4	D280	
IC273	Q303	J-4	D281	
IC274	Q304	H-3	D282	
IC275	Q305	I-4	D283	
IC276	Q306	E-8	D284	
IC277	Q307	F-12	D285	
IC278	Q308	F-11	D286	
IC279	Q309	F-10	D287	
IC280	Q310	I-4	D288	
IC281	Q311	H-3	D289	
IC282	Q312	I-4	D290	
IC283	Q313	E-8	D291	
IC284	Q314	F-12	D292	
IC285	Q315	F-11	D293	
IC286	Q316	F-10	D294	
IC287	Q317	I-4	D295	
IC288	Q318	J-4	D296	
IC289	Q319	H-3	D297	
IC290	Q320	I-4	D298	
IC291	Q321	E-8	D299	
IC292	Q322	F-12	D300	
IC293	Q323	F-11	D301	
IC294	Q324	F-10	D302	
IC295	Q325	I-4	D303	
IC296	Q326	J-4	D304	
IC297	Q327	H-3	D305	
IC298	Q328	I-4	D306	
IC299	Q329	E-8	D307	
IC300	Q330	F-12	D308	
IC301	Q331	F-11	D309	
IC302	Q332	F-10	D310	
IC303	Q333	I-4	D311	
IC304	Q334	J-4	D312	
IC305	Q335	H-3	D313	
IC306	Q336	I-4	D314	
IC307	Q337	E-8	D315	
IC308	Q338	F-12	D316	
IC309	Q339	F-11	D317	
IC310	Q340	F-10	D318	
IC311	Q341	I-4	D319	
IC312	Q342	J-4	D320	
IC313	Q343	H-3	D321	
IC314	Q344	I-4	D322	
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IC318	Q348	F-10	D326	
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IC320	Q350	J-4	D328	
IC321	Q351	H-3	D329	
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IC325	Q355	F-11	D333	
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IC333	Q363	F-10	D341	
IC334	Q364	I-4	D342	
IC335	Q365	J-4	D343	
IC336	Q366	H-3	D344	
IC337	Q367	I-4	D345	
IC338	Q368	E-8	D346	
IC339	Q369	F-12	D347	
IC340	Q370	F-11	D348	
IC341	Q371	F-10	D349	
IC342	Q372	I-4	D350	
IC343	Q373	H-3	D351	
IC344	Q374	I-4	D352	
IC345	Q375	J-4	D353	
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IC394	Q424	I-4	D402	
IC395	Q425	J-4	D403	
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IC401	Q431	F-10	D409	
IC402	Q432	I-4	D410	
IC403	Q433	H-3	D411	
IC404	Q434	I-4	D412	
IC405	Q435	J-4	D413	
IC406	Q436	H-3	D414	
IC407	Q437	I-4	D415	
IC408	Q438	E-8	D416	
IC409	Q439	F-12	D417	
IC410	Q440	F-11	D418	
IC411	Q441	F-10	D419	
IC412	Q442	I-4	D420	
IC413	Q443	H-3	D421	
IC414	Q444	I-4	D422	
IC415	Q445	J-4	D423	
IC416	Q446	H-3	D424	
IC417	Q447	I-4	D425	
IC418	Q448	E-8	D426	
IC419	Q449	F-12	D427	
IC420	Q450	F-11	D428	
IC421	Q451	F-10	D429	
IC422	Q452	I-4	D430	
IC423	Q453	H-3	D431	
IC424	Q454	I-4	D432	
IC425	Q455	J-4	D433	
IC426	Q456	H-3	D434	
IC427	Q457	I-4	D435	
IC428	Q458	E-8	D436	
IC429	Q459	F-12	D437	
IC430	Q460	F-11	D438	
IC431	Q461	F-10	D439	
IC432	Q462	I-4	D440	
IC433	Q463	H-3	D441	
IC434	Q464	I-4	D442	
IC435	Q465	J-4	D443	
IC436	Q466	H-3	D444	
IC437	Q467	I-4	D445	
IC438	Q468	E-8	D446	
IC439	Q469	F-12	D447	
IC440	Q470	F-11	D448	
IC441	Q471	F-10	D449	
IC442	Q472	I-4	D450	
IC443	Q473	H-3	D451	
IC444	Q474	I-4	D452	
IC445	Q475	J-4	D453	
IC446	Q476	H-3	D454	
IC447	Q477	I-4	D455	
IC448	Q478	E-8	D456	
IC449	Q479	F-12	D457	
IC450	Q480	F-11	D458	
IC451	Q481	F-10	D459	
IC452	Q482	I-4	D460	
IC453	Q483	H-3	D461	
IC454	Q484	I-4	D462	
IC455	Q485	J-4	D463	
IC456	Q486	H-3	D464	
IC457	Q487	I-4	D465	
IC458	Q488	E-8	D466	
IC459	Q489	F-12	D467	
IC460	Q490	F-11	D468	
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IC467	Q497	I-4	D475	
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IC470	Q500	F-11	D478	
IC471	Q501	F-10	D479	
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IC473	Q503	H-3	D481	
IC474	Q504	I-4	D482	
IC475	Q505	J-4	D483	
IC476	Q506	H-3	D484	
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IC478	Q508	E-8	D486	
IC479	Q509	F-12	D487	
IC480	Q510	F-11	D488	
IC481	Q511	F-10	D489	
IC482	Q512	I-4	D490	
IC483	Q513	H-3	D491	
IC484	Q514	I-4	D492	
IC485	Q515	J-4	D493	
IC486	Q516	H-3	D494	
IC487	Q517	I-4	D495	
IC488	Q518	E-8	D496	
IC489	Q519	F-12	D497	
IC490	Q520	F-11	D498	
IC491	Q521	F-10	D499	
IC492	Q522	I-4	D500	
IC493	Q523	H-3	D501	
IC494	Q524	I-4	D502	
IC495	Q525	J-4	D503	
IC496	Q526	H-3	D504	
IC497	Q527	I-4	D505	
IC498	Q528			

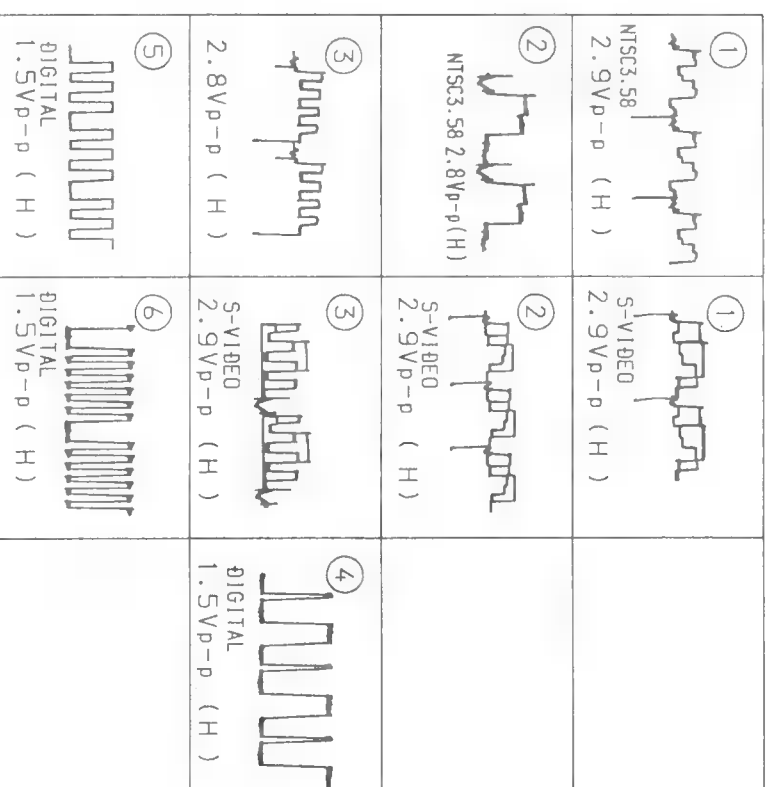
IC205, IC213
MC14053BCP



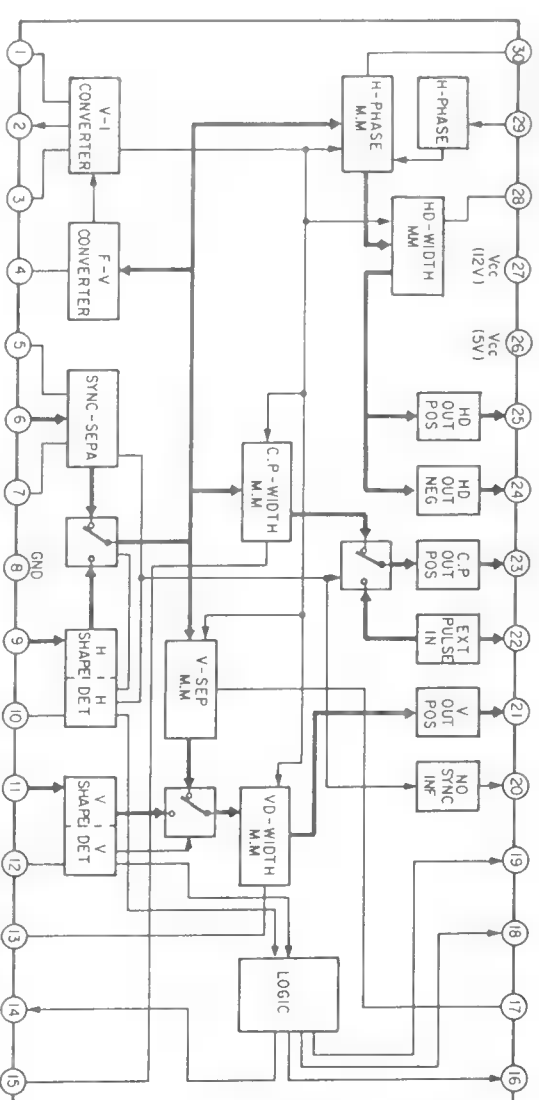
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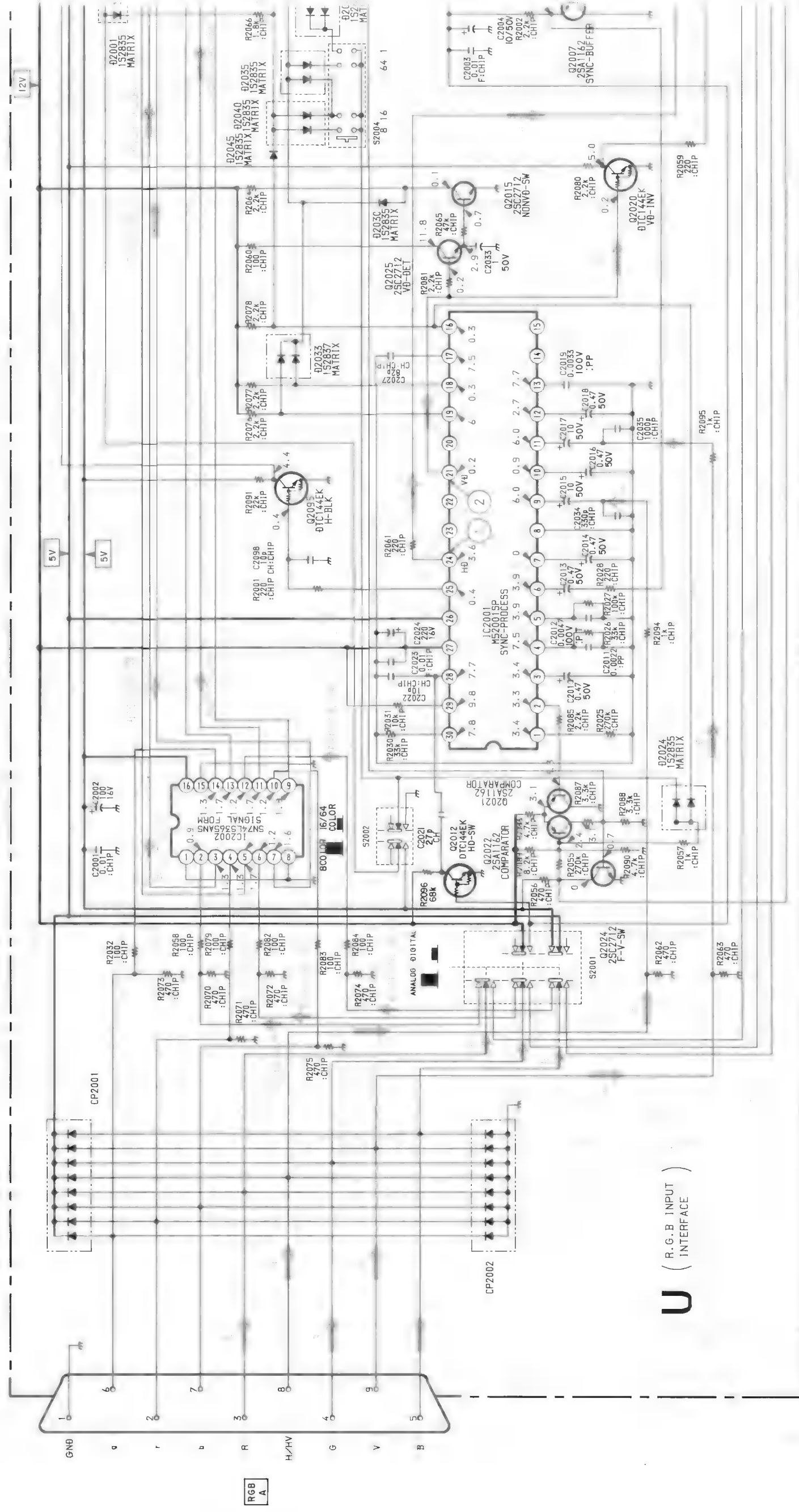


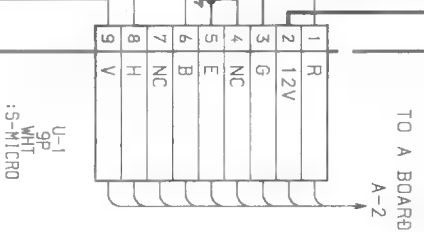
A BOARD



IC212
M52001SP



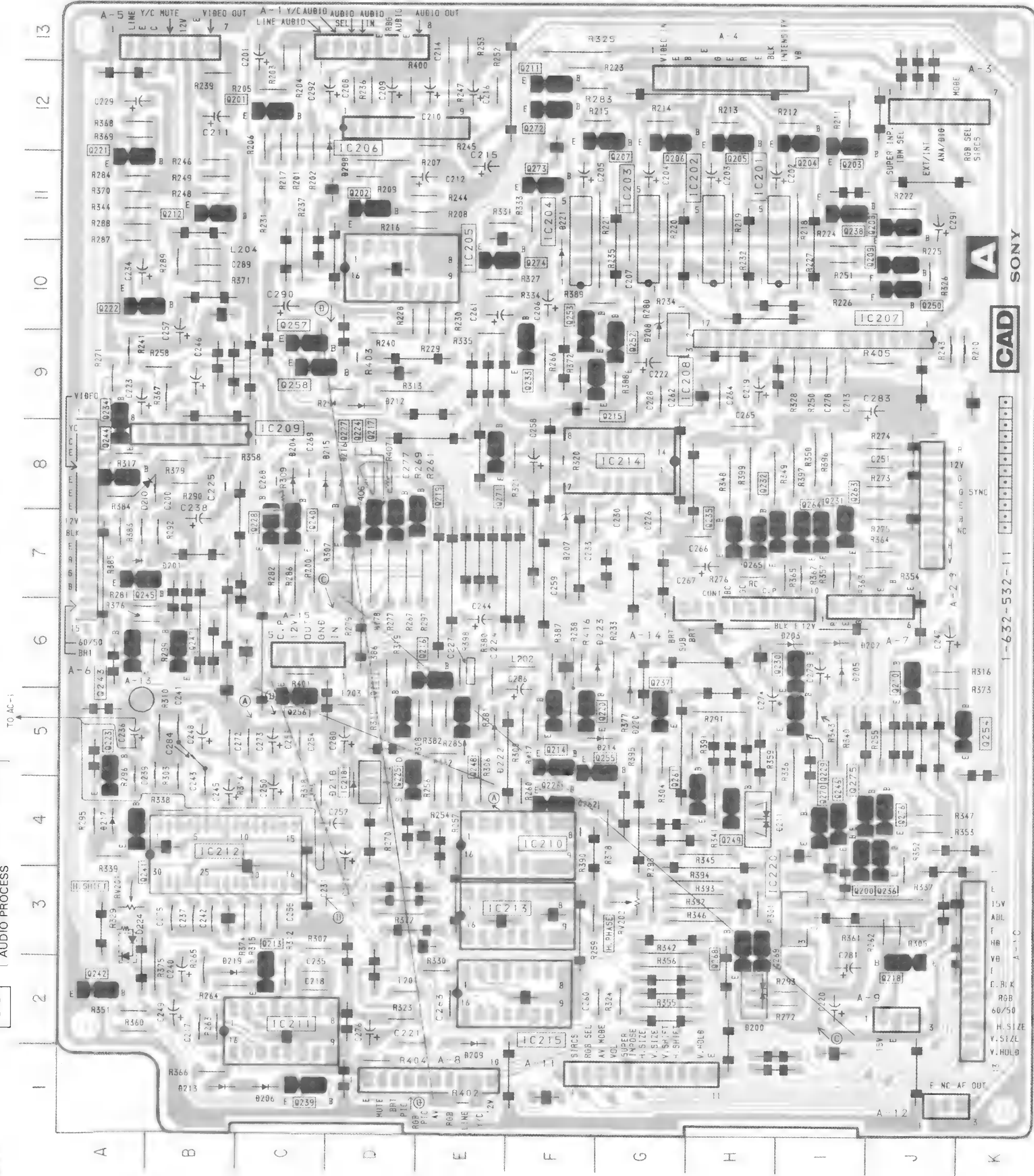




VIDEO PROCESS, SYNC PROCESS,
AUDIO PROCESS

A

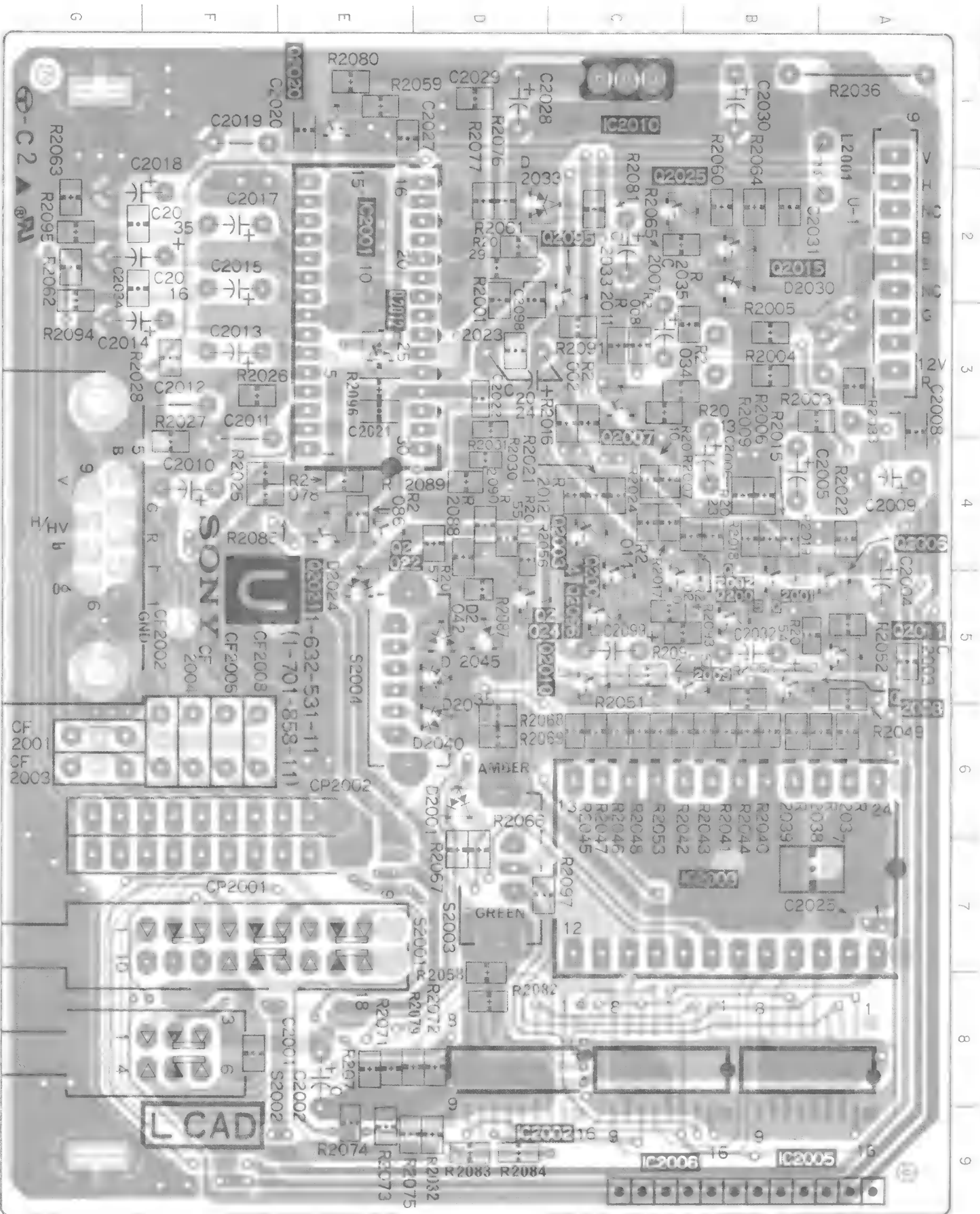
—A BOARD—



U

(R.G.B. INPUT INTERFACE)

—U BOARD—



B BOARD

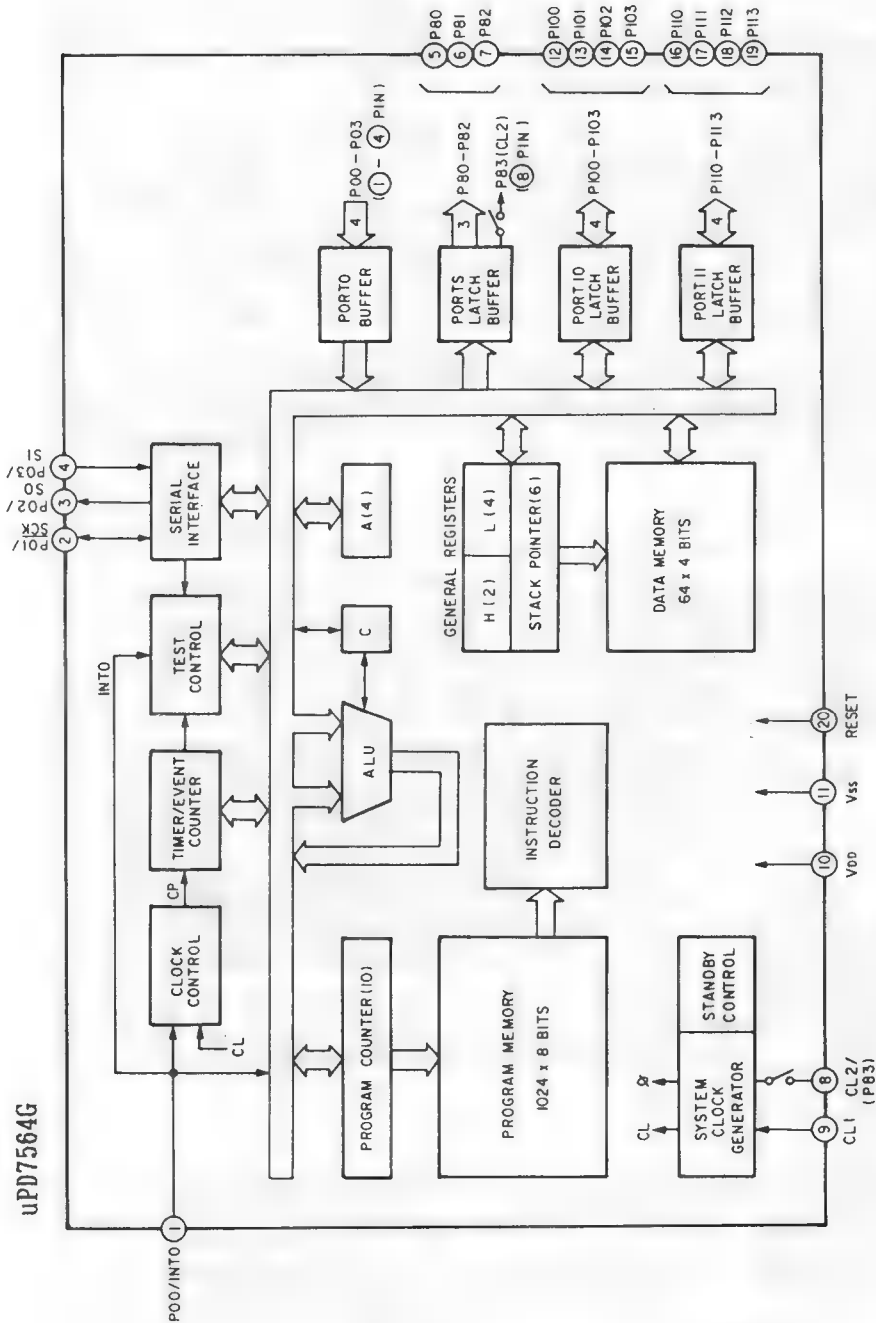
IC	
IC002	B-8
IC003	A-8
IC004	D-11
IC006	E-6
IC007	E-4
TRANSISTOR	
Q001	B-10
Q002	A-10
Q004	C-7
Q006	A-6
Q007	B-1
Q008	A-1
Q009	E-10
Q010	C-1
Q011	F-1
Q016	D-6
Q017	D-6
Q018	B-6
Q020	A-6
Q021	B-7
Q022	E-8
Q023	E-12
DIODE	
D002	B-7
D003	D-6
D004	A-9
D005	B-9
VARIABLE RESISTOR	
RV001	D-5

H BOARD

IC	
IC1001	F-3
IC1002	D-3
IC1003	I-3
IC1004	I-3
TRANSISTOR	
Q1001	J-2
Q1002	J-2
Q1003	L-3
Q1004	M-3
Q1005	M-3
Q1006	E-3
Q1007	K-4
Q1008	K-4
Q1013	N-3
Q1014	N-3
Q1015	E-3
Q1019	L-2
Q1021	N-3
Q1022	K-2
DIODE	
D1000	F-4
D1001	E-4
D1002	N-2
D1003	D-2
D1004	??
D1005	L-2
D1006	H-4
D1007	K-2

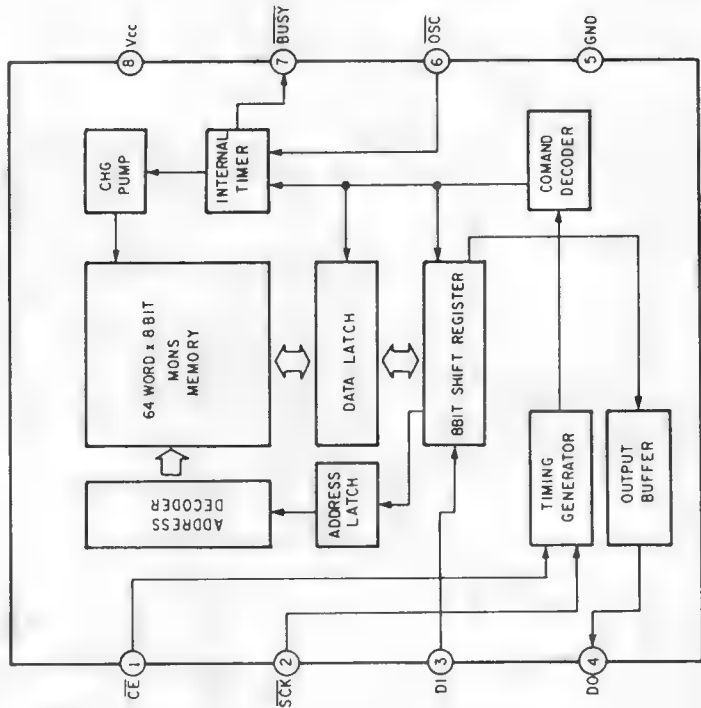
IC1001

uPD7564G



IC1002

CXK1011P



B BOARD

①	NTSC3.58 0.9Vp-p (H)	①	S-VI0E0 1.0 Vp-p (H)
②	NTSC3.58 0.9Vp-p (H)	②	S-VI0E0 0.8 Vp-p (H)
③	NTSC3.58 0.2Vp-p(H)		
④	NTSC3.58 1.0 Vp-p(H)	④	S-VI0E0 3.5Vp-p (H)
⑤	NTSC3.58 3.5Vp-p (H)	⑤	S-VI0E0 3.5Vp-p (H)
⑥	3.5Vp-p (H)	⑥	S-VI0E0 3.5Vp-p (H)
⑦	NTSC3.58 3.5 Vp-p (H)	⑦	S-VI0E0 3.5Vp-p (H)

H BOARD

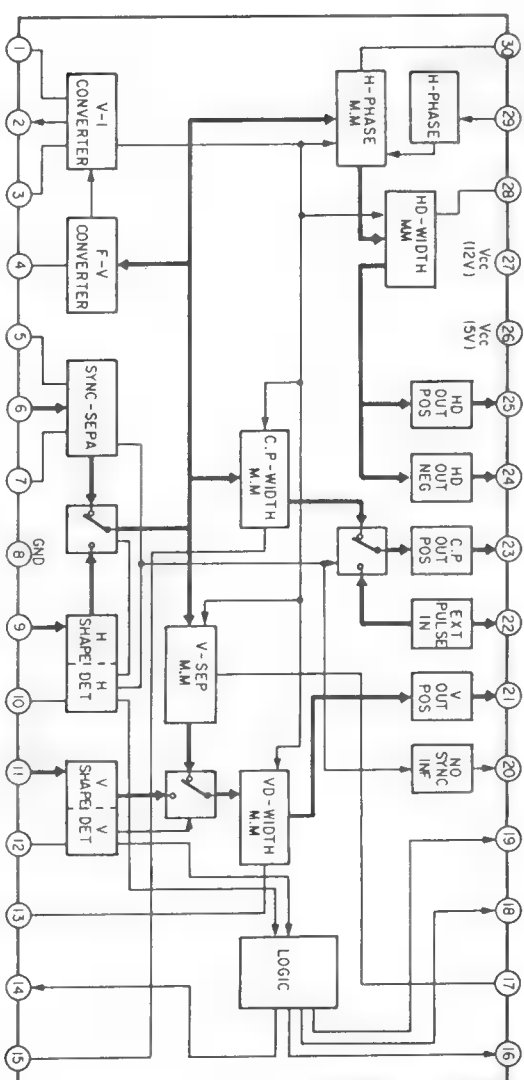
①	2.8Vp-p (H)	②	3.2Vp-p (H)
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U BOARD

IC		
IC2001	E-2	
IC2002	D-8	
IC2003	B-7	
IC2005	B-8	
IC2006	C-8	
IC2010	C-1	
TRANSISTOR		
Q2001	B-5	
Q2002	B-5	
Q2003	C-4	
Q2004	C-5	
Q2005	B-5	
Q2006	A-5	
Q2007	C-3	
Q2008	B-5	
Q2009	B-5	
Q2010	C-5	
Q2011	A-5	
Q2012	E-3	
Q2015	B-2	
Q2020	E-1	
Q2021	E-4	
Q2022	E-4	
Q2024	D-5	
Q2025	B-2	
Q2095	C-2	
Q2096	C-5	
DIODE		
D2001	D-6	
D2024	E-5	
D2030	B-2	
D2033	D-2	
D2035	D-5	
D2040	D-6	
D2042	D-5	
D2045	D-5	

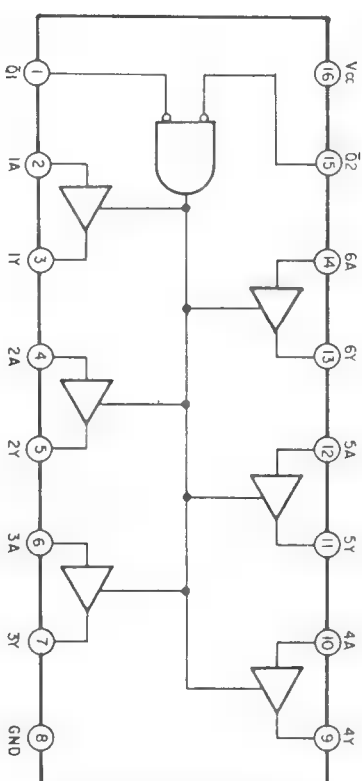
IC2001

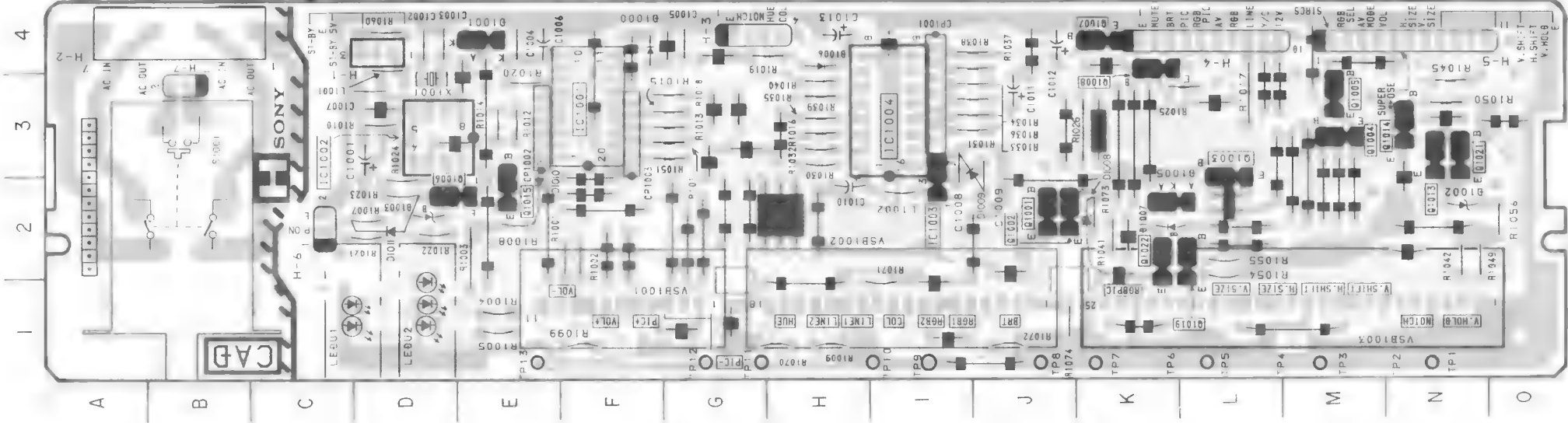
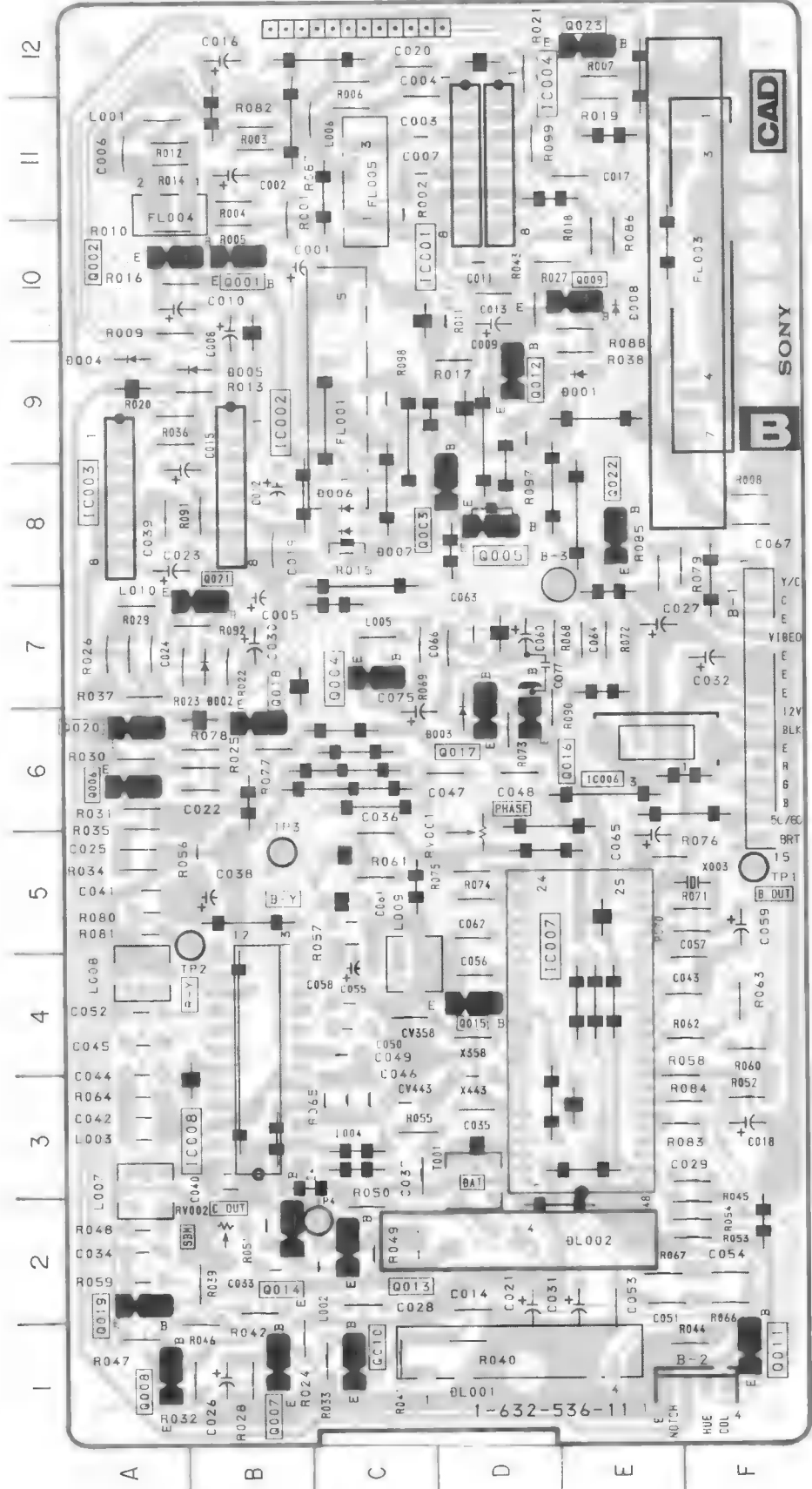
M52001SP



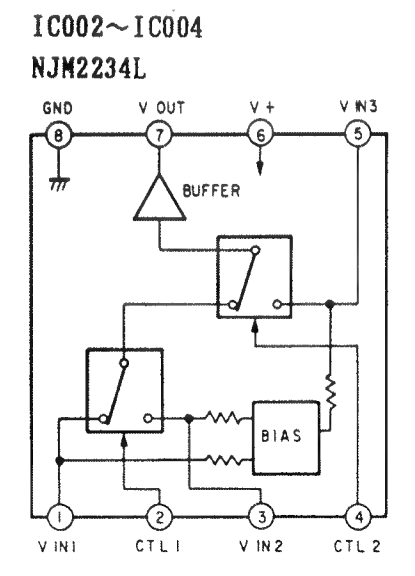
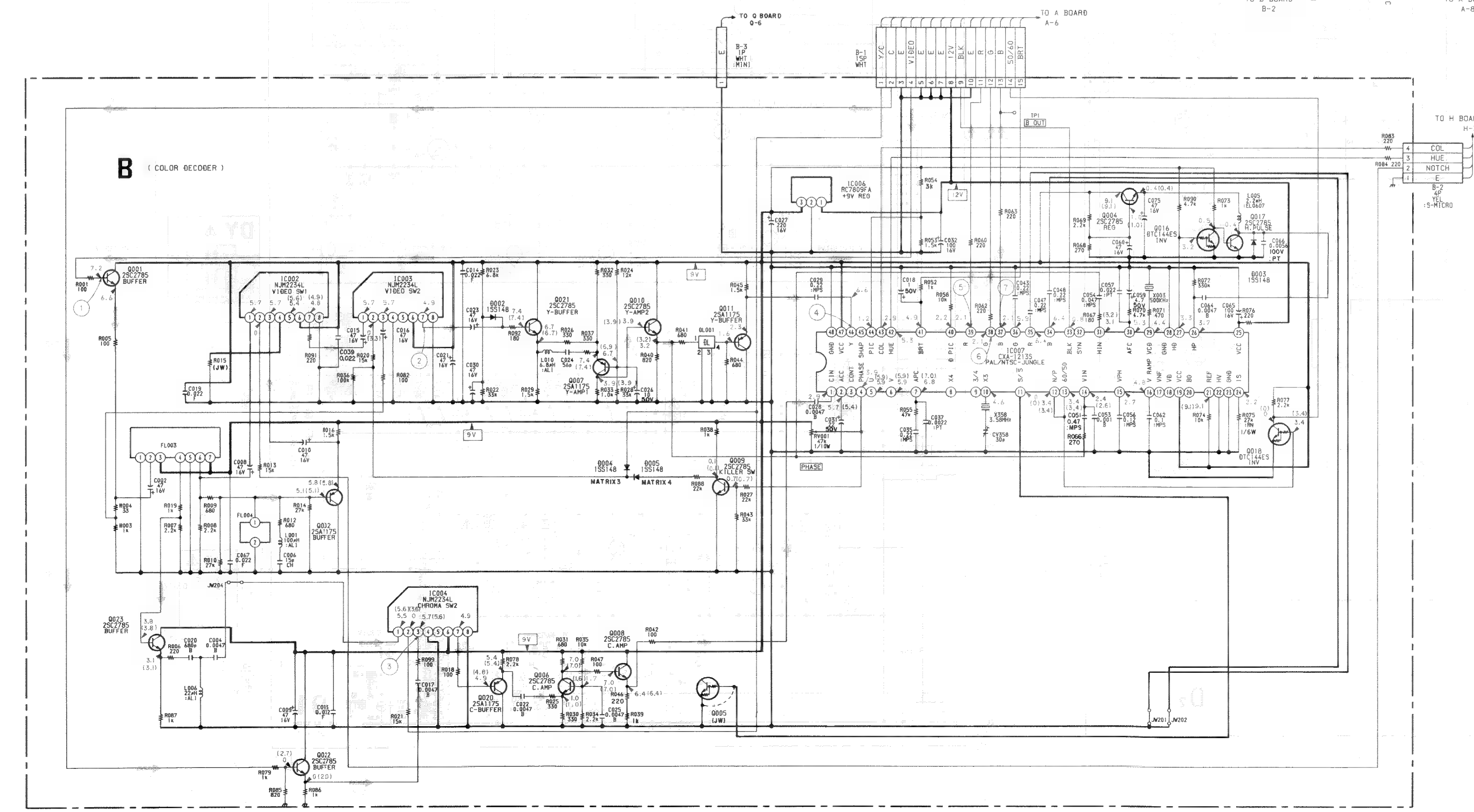
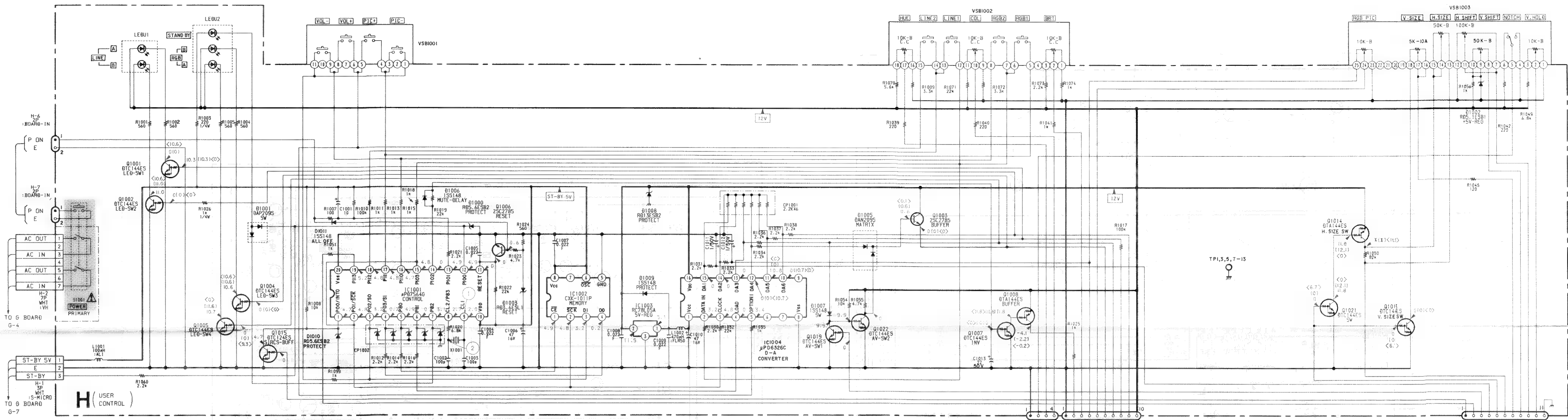
IC2002

SN74LS365ANS

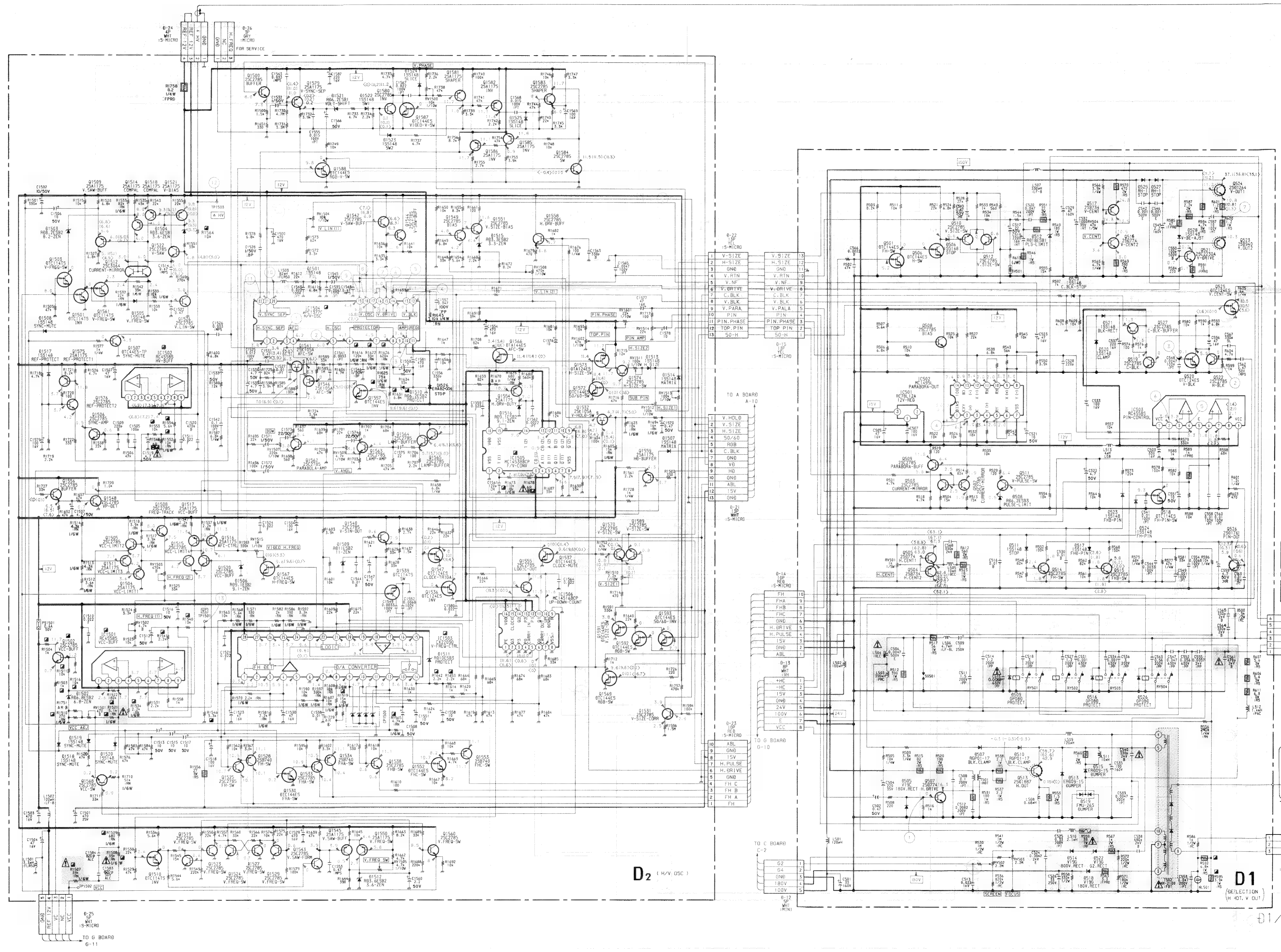




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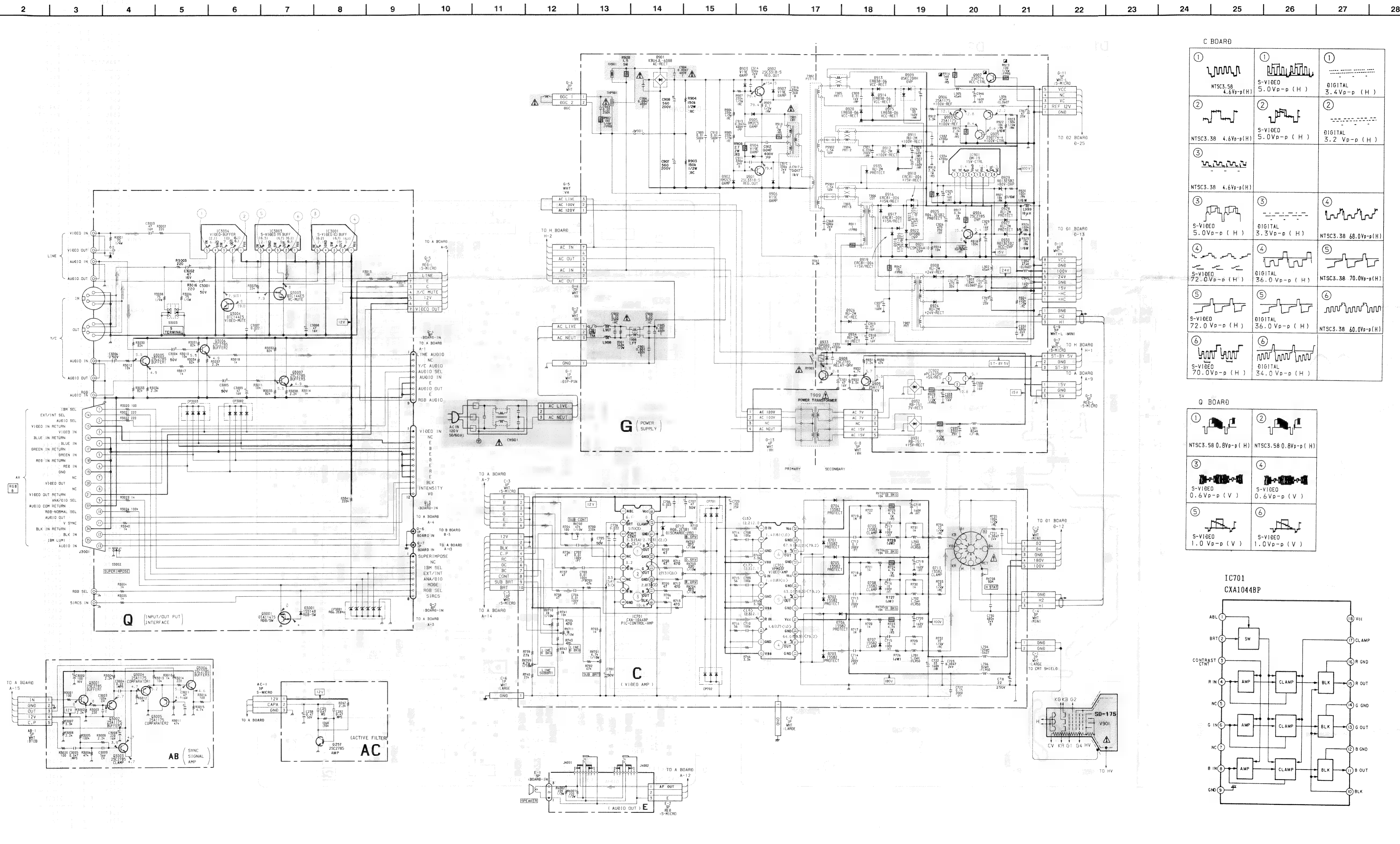
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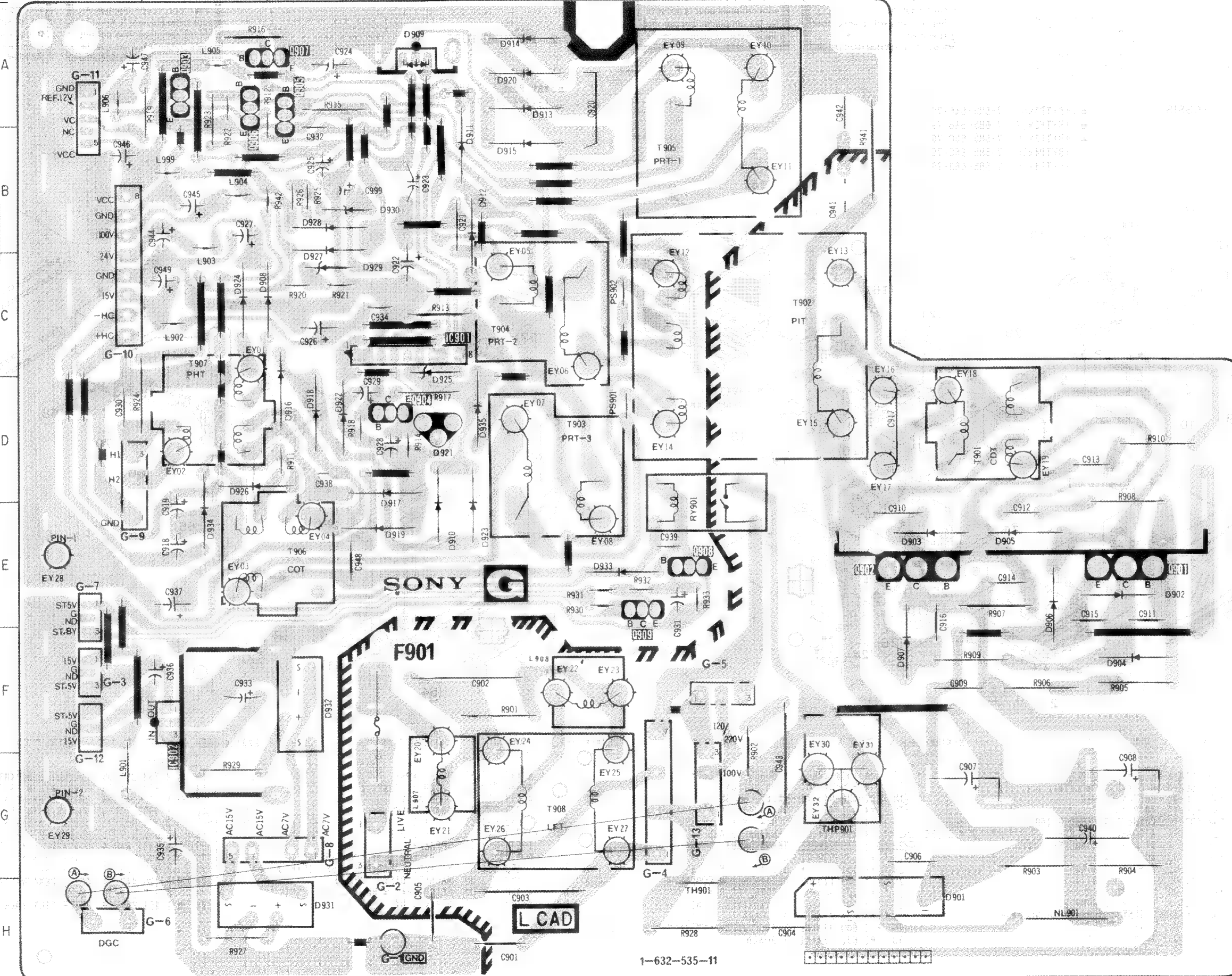
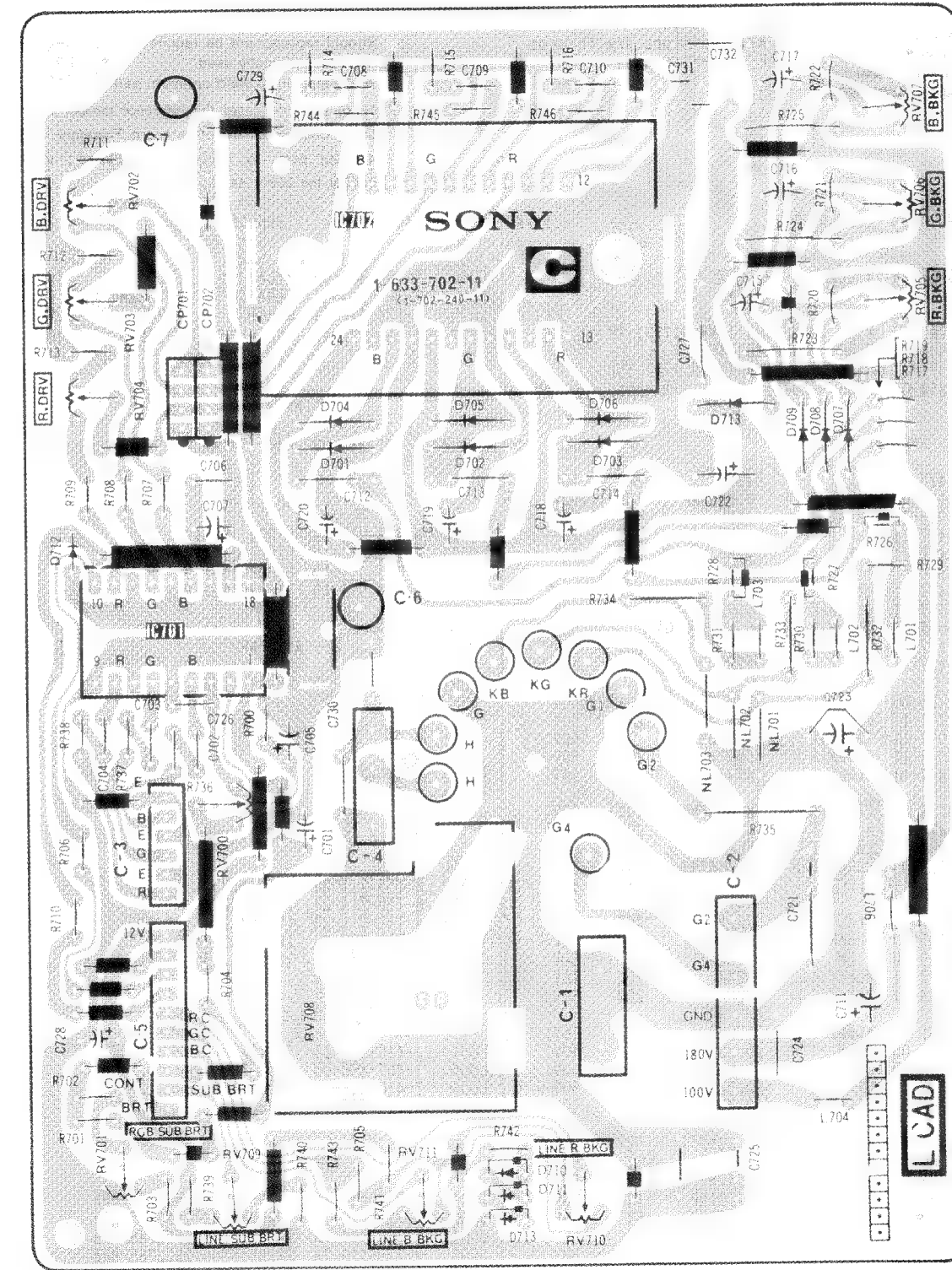


D2 (H.V. OSC)

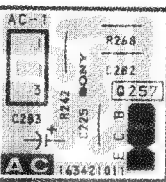
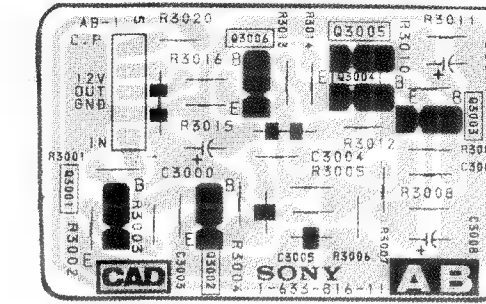
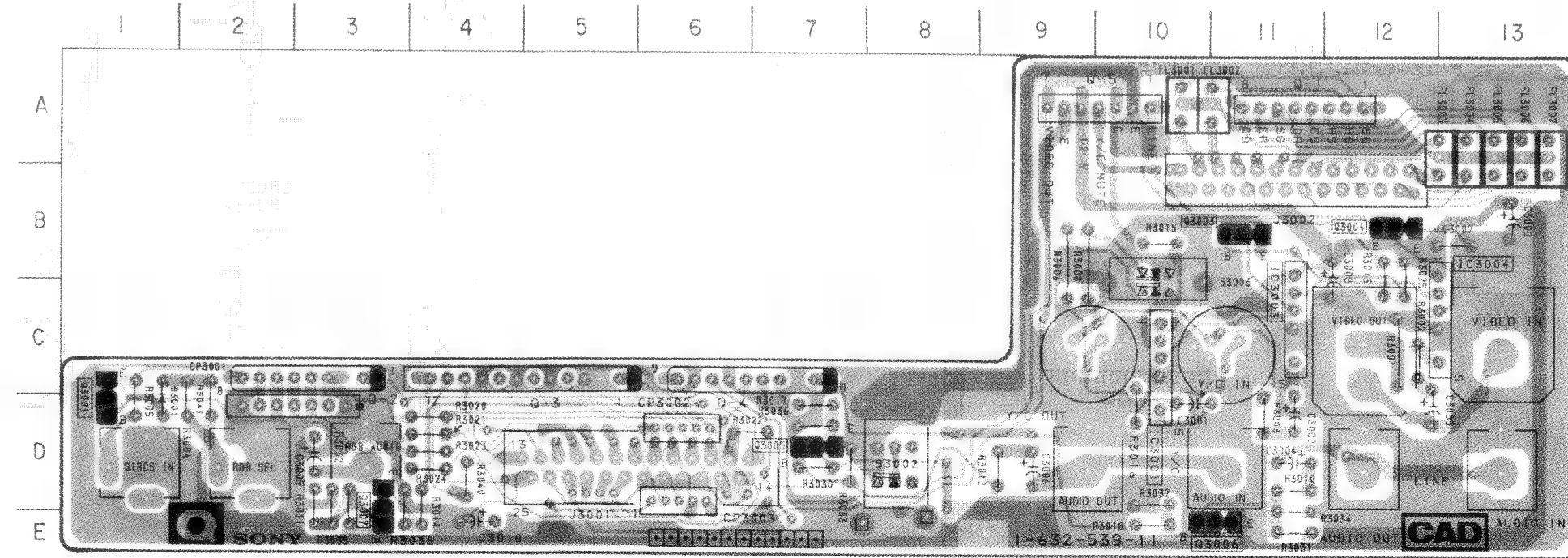
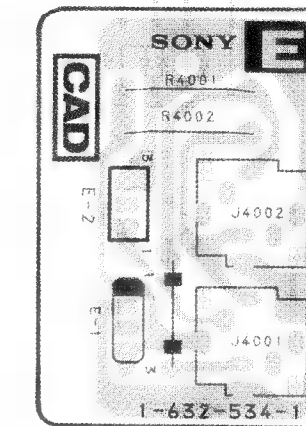
D1 (DETECTION H. HOT. V. OUT)

D1/D2



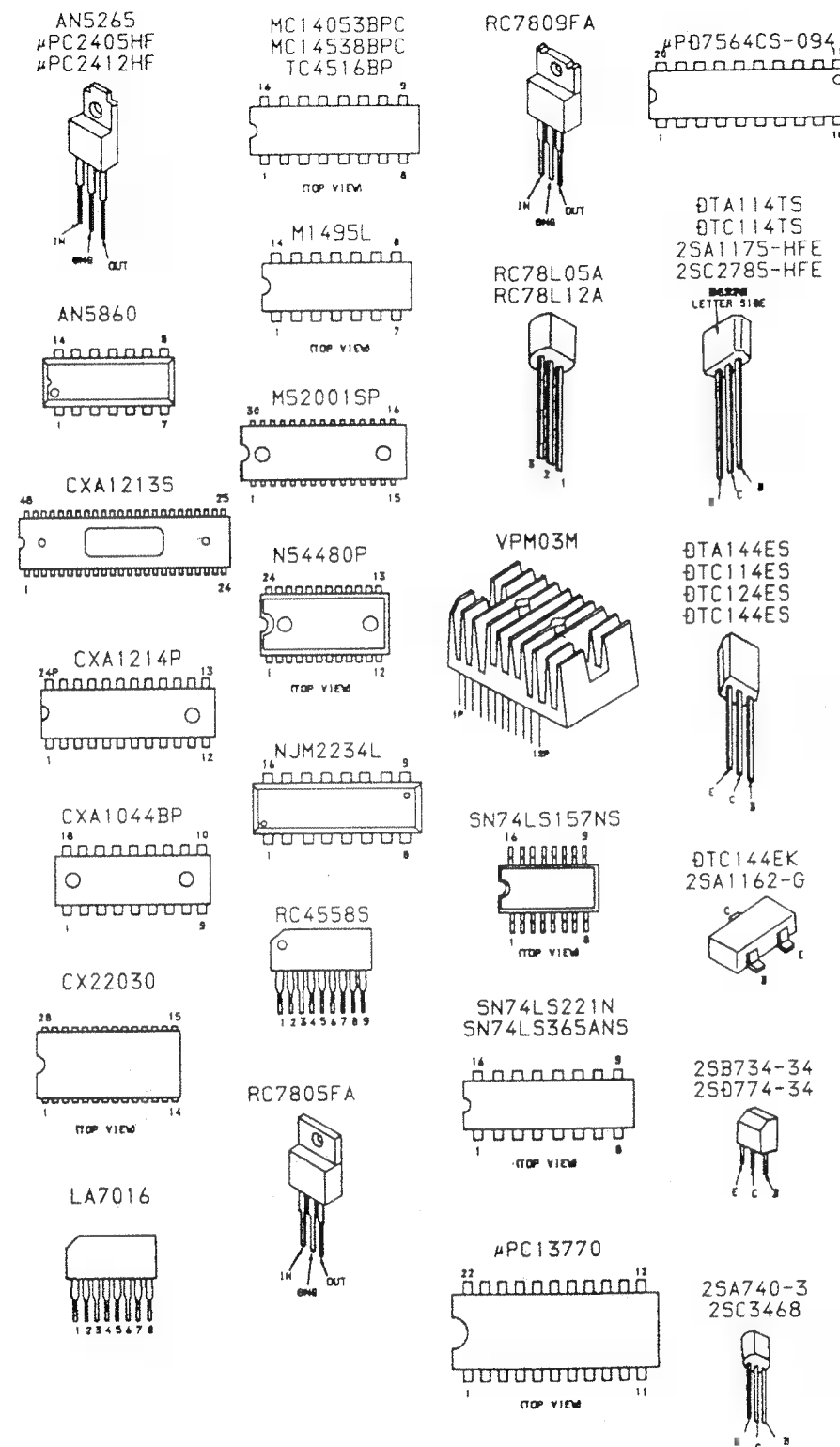


IC	
IC901	C-4
IC902	F-2
TRANSISTOR	
Q901	E-9
Q902	E-8
Q903	A-2
Q904	D-3
Q905	A-3
Q906	A-2
Q907	A-3
Q908	E-6
Q909	E-6
DIODE	
D901	H-7
D902	E-9
D903	E-8
D904	F-9
D905	E-8
D906	E-9
D907	F-9
D908	C-3
D909	A-4
D910	E-4
D911	B-4
D912	B-4
D913	A-5
D914	A-5
D915	B-5
D916	C-3
D917	D-3
D918	D-3
D919	E-3
D920	A-5
D921	D-4
D922	D-3
D923	E-4
D924	C-2
D925	C-4
D926	M-2
D927	M-3
D928	B-3
D929	C-3
D930	B-3
D931	M-2
D932	F-3
D933	E-5
D934	E-2
D935	M-4



IC	
IC3001	C-10
IC3003	C-11
IC3004	C-13
TRANSISTOR	
Q3001	D-1
Q3003	B-11
Q3004	B-12
Q3005	D-7
Q3006	E-11
Q3007	E-3
DIODE	
D3001	D-1

6-6. SEMICONDUCTORS

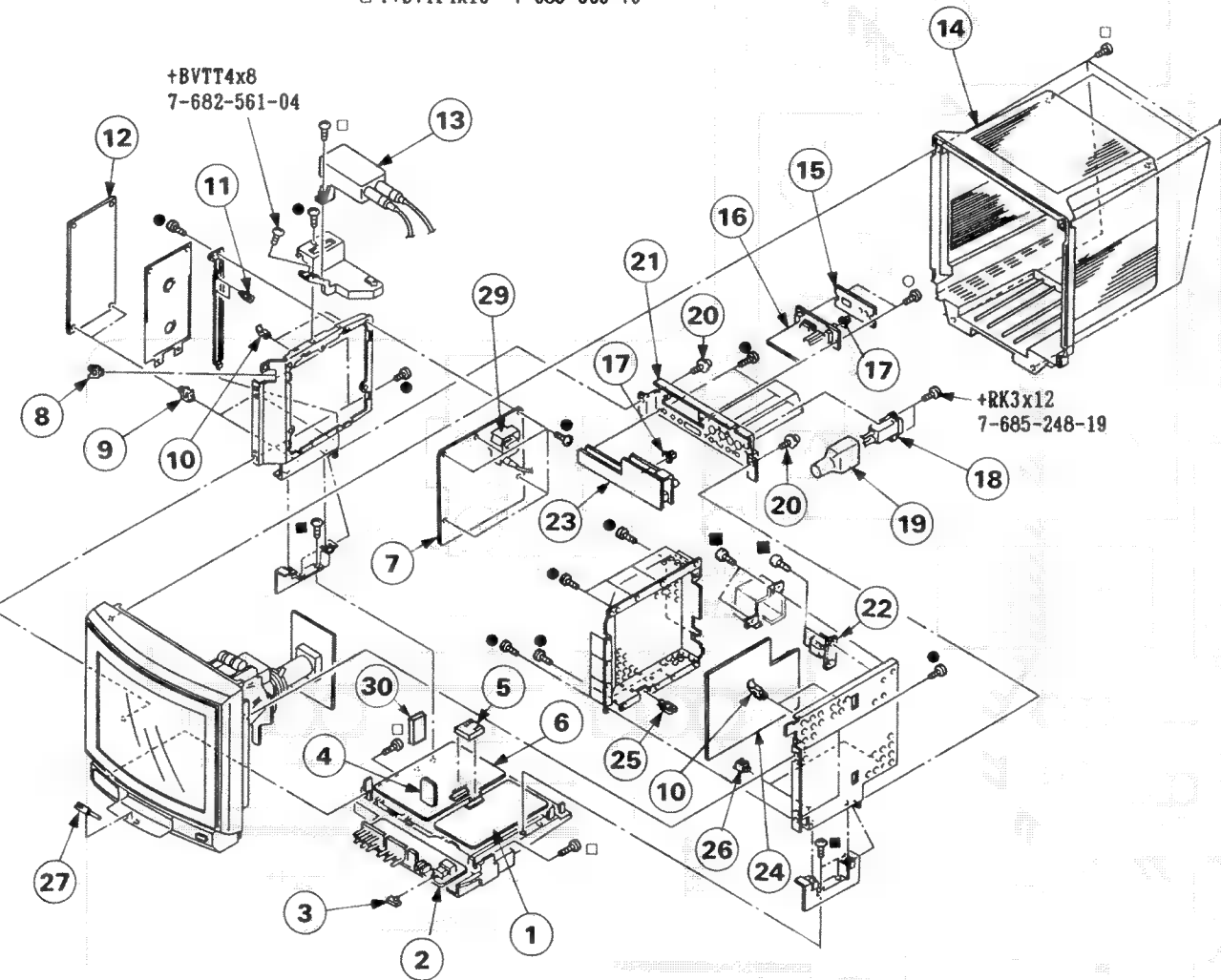
SECTION 7
EXPLODED VIEWS

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

7-1. CHASSIS

- : +BVT3x8 7-685-646-79
- : +BVT3x12 7-685-648-79
- : +BVT3x16 7-685-650-79
- : +BVT4x10 7-685-660-79
- : +BVT4x16 7-685-663-79



REF. NO.	PART NO.	DESCRIPTION	REMARK
1	*A-1135-618-A	B BOARD, COMPLETE	
2	*A-1371-602-A	H BOARD, COMPLETE	
3	4-397-106-01	BUTTON, POWER	
4	*1-633-816-11	AB BOARD	
5	*1-568-784-00	PIN, CONNECTOR (5MM PITCH) 1P	
6	*A-1296-651-A	A BOARD, COMPLETE	
7	*A-1345-900-A	D1 BOARD, COMPLETE	
8	4-308-119-00	HOLDER, WIRE	
9	4-353-620-02	HINGE, PC BOARD	
10	*3-703-141-00	HOLDER, PCB	
11	*4-884-992-00	SUPPORT, PC	
12	*A-1345-921-A	D2 BOARD, COMPLETE	
13	*1-230-666-01	RESISTOR ASSY, HIGH VOLTAGE	
14	4-397-115-01	COVER, REAR	
15	1-537-207-21	TERMINAL BOARD	

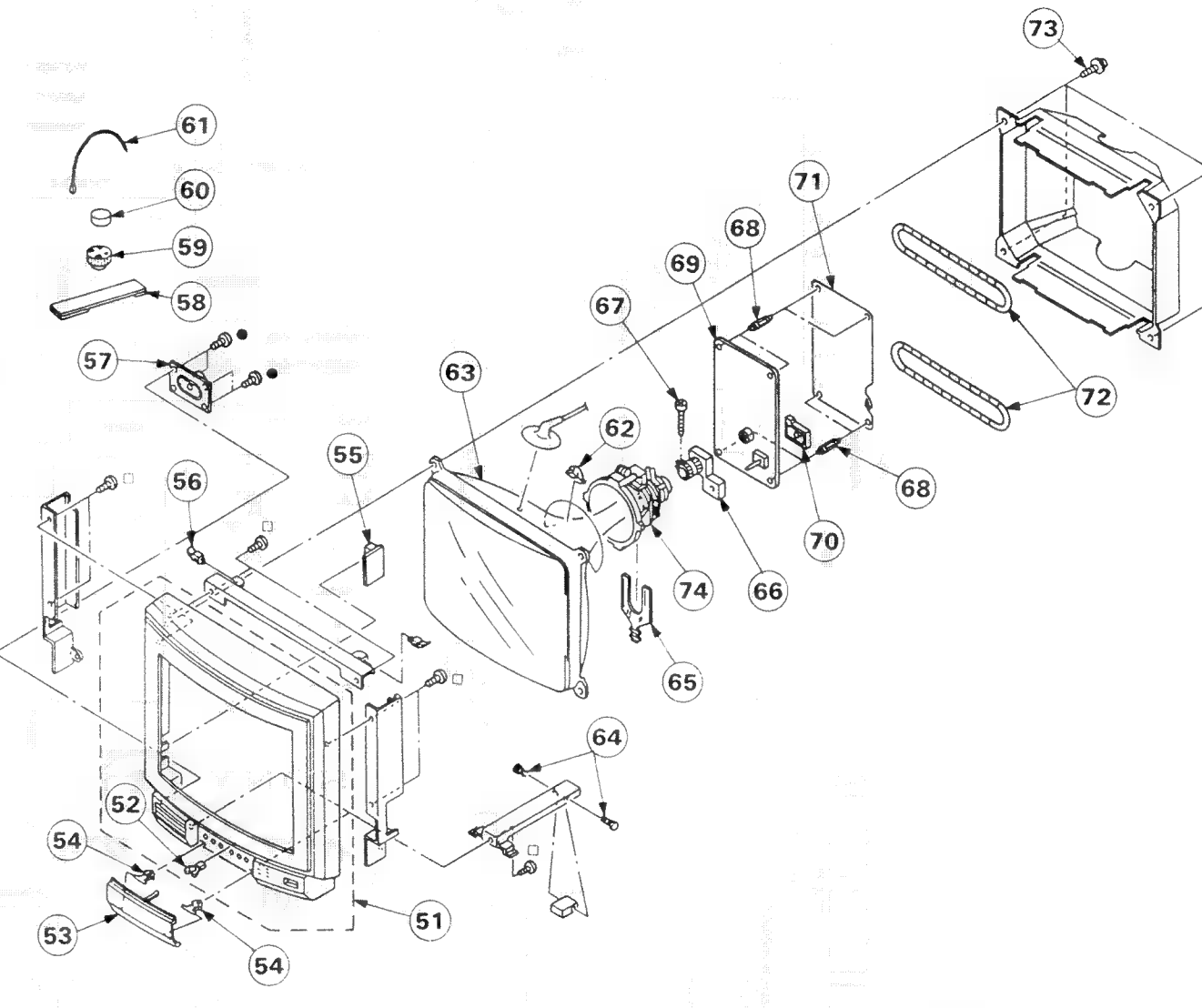
SECTION 7
EXPLODED VIEWS

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

7-2. PICTURE TUBE

- : +BVT3x8 7-685-646-79
- : +BVT4x16 7-685-663-79



REF. NO.	PART NO.	DESCRIPTION	REMARK
16	A-1394-228-A	U BOARD, COMPLETE	
17	4-369-627-01	PUSH BUTTON	
18	*1-526-945-11	INLET, AC 3P	
19	*4-601-466-01	COVER, 3P INLET	
20	4-382-854-01	SCREW (M3X8), P, SW (+)	
21	4-397-114-01	TERMINAL BOARD	
22	*1-449-948-12	TRANSFORMER, POWER	
23	*1-632-539-11	Q BOARD	
24	*A-1316-099-A	G BOARD, COMPLETE	
25	*4-343-123-02	RETAINER, AC CORD	
26	*3-701-903-00	HOLDER, PC BOARD	
27	3-695-308-01	SCREWDRIVER, CONTROL	
28	*1-632-534-11	U BOARD	
29	*1-439-390-11	TRANSFORMER ASSY, PLYBACK (NX-2100)	
30	*1-632-534-11	U BOARD	

SECTION 8
ELECTRICAL PARTS LIST

NOTE:

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All resistors are in ohms
- F : nonflammable

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF. NO.	PART NO.	DESCRIPTION	REMARK
*A-1135-618-A	B BOARD, COMPLETE		
*1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P		
*1-564-507-11	PLUG, CONNECTOR 4P		
*1-568-371-11	PIN, CONNECTOR (PC BOARD) 15P		
4-382-854-01	SCREW (M3X8), P, SW (+)		
C002	1-124-477-11	BLCT 47MF	20% 16V
C004	1-102-125-00	CERAMIC 0.0047MF	10% 50V
C006	1-164-023-11	CERAMIC 15PF	5% 50V
C008	1-124-477-11	BLCT 47MF	20% 16V
C009	1-124-477-11	BLCT 47MF	20% 16V
C010	1-124-477-11	BLCT 47MF	20% 16V
C013	1-164-097-11	CERAMIC 0.022MF	50V
C014	1-164-097-11	CERAMIC 0.022MF	50V
C015	1-124-477-11	BLCT 47MF	20% 16V
C016	1-124-477-11	BLCT 47MF	20% 16V
C017	1-102-125-00	CERAMIC 0.0047MF	10% 50V
C018	1-124-791-11	BLCT 1MF	20% 50V
C019	1-164-097-11	CERAMIC 0.022MF	50V
C020	1-164-083-11	CERAMIC 680PF	10% 50V
C021	1-124-477-11	BLCT 47MF	20% 16V
C022	1-102-125-00	CERAMIC 0.0047MF	10% 50V
C023	1-124-477-11	BLCT 47MF	20% 16V
C024	1-164-064-11	CERAMIC 56PF	5% 50V
C025	1-102-125-00	CERAMIC 0.0047MF	10% 50V
C026	1-125-875-11	BLCT 10MF	20% 50V
C027	1-124-120-11	BLCT 220MF	20% 16V
C028	1-102-125-00	CERAMIC 0.0047MF	10% 50V
C029	1-136-169-00	FILM 0.22MF	5% 50V
C030	1-124-477-11	BLCT 47MF	20% 16V
C031	1-126-233-11	BLCT 22MF	20% 50V
C032	1-126-101-11	BLCT 100MF	20% 16V
C035	1-136-169-00	FILM 0.22MF	5% 50V
C037	1-130-475-00	MYLAR 0.0022MF	5% 50V
C039	1-164-097-11	CERAMIC 0.022MF	50V
C043	1-136-169-00	FILM 0.22MF	5% 50V
C047	1-136-169-00	FILM 0.22MF	5% 50V
C048	1-136-169-00	FILM 0.22MF	5% 50V
C051	1-136-173-00	FILM 0.47MF	5% 50V
C053	1-164-085-11	CERAMIC 0.001MF	10% 50V
C054	1-130-491-00	MYLAR 0.047MF	5% 50V
C056	1-136-169-00	FILM 0.12MF	5% 50V
C057	1-130-487-00	MYLAR 0.022MF	5% 50V
C059	1-124-477-11	BLCT 47MF	20% 16V
C060	1-124-477-11	BLCT 47MF	20% 16V
C062	1-136-165-00	FILM 0.1MF	5% 50V
C064	1-102-125-00	CERAMIC 0.0047MF	10% 50V
C065	1-126-101-11	BLCT 100MF	20% 16V

NOTE:

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All resistors are in ohms
- F : nonflammable

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF. NO.	PART NO.	DESCRIPTION	REMARK
*A-1135-618-A	B BOARD, COMPLETE		
*1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P		
*1-564-507-11	PLUG, CONNECTOR 4P		
*1-568-371-11	PIN, CONNECTOR (PC BOARD) 15P		
4-382-854-01	SCREW (M3X8), P, SW (+)		
C002	1-124-477-11	BLCT 47MF	20% 16V
C004	1-102-125-00	CERAMIC 0.0047MF	10% 50V
C006	1-164-023-11	CERAMIC 15PF	5% 50V
C008	1-124-477-11	BLCT 47MF	20% 16V
C009	1-124-477-11	BLCT 47MF	20% 16V
C010	1-124-477-11	BLCT 47MF	20% 16V
C013	1-164-097-11	CERAMIC 0.022MF	50V
C014	1-164-097-11	CERAMIC 0.022MF	50V
C015	1-124-477-11	BLCT 47MF	20% 16V
C016	1-124-477-11	BLCT 47MF	20% 16V
C017	1-102-125-00	CERAMIC 0.0047MF	10% 50V
C018	1-124-791-11	BLCT 1MF	20% 50V
C019	1-164-097-11	CERAMIC 0.022MF	50V
C020	1-164-083-11	CERAMIC 680PF	10% 50V
C021	1-124-477-11	BLCT 47MF	20% 16V
C022	1-102-125-00	CERAMIC 0.0047MF	10% 50V
C023	1-124-477-11	BLCT 47MF	20% 16V
C024	1-164-064-11	CERAMIC 56PF	5% 50V
C025	1-102-125-00	CERAMIC 0.0047MF	10% 50V
C026	1-125-875-11	BLCT 10MF	20% 50V
C027	1-124-120-11	BLCT 220MF	20% 16V
C028	1-102-125-00	CERAMIC 0.0047MF	10% 50V
C029	1-136-169-00	FILM 0.22MF	5% 50V
C030	1-124-477-11	BLCT 47MF	20% 16V
C031	1-126-233-11	BLCT 22MF	20% 50V
C032	1-126-101-11	BLCT 100MF	20% 16V
C035	1-136-169-00	FILM 0.22MF	5% 50V
C037	1-130-475-00	MYLAR 0.0022MF	5% 50V
C039	1-164-097-11	CERAMIC 0.022MF	50V
C043	1-136-169-00	FILM 0.22MF	5% 50V
C047	1-136-169-00	FILM 0.22MF	5% 50V
C048	1-136-169-00	FILM 0.22MF	5% 50V
C051	1-136-173-00	FILM 0.47MF	5% 50V
C053	1-164-085-11	CERAMIC 0.001MF	10% 50V
C054	1-130-491-00	MYLAR 0.047MF	5% 50V
C056	1-136-169-00	FILM 0.12MF	5% 50V
C057	1-130-487-00	MYLAR 0.022MF	5% 50V
C059	1-124-477-11	BLCT 47MF	20% 16V
C060	1-124-477-11	BLCT 47MF	20% 16V
C062	1-136-165-00	FILM 0.1MF	5% 50V
C064	1-102-125-00	CERAMIC 0.0047MF	10% 50V
C065	1-126-101-11	BLCT 100MF	20% 16V

B

Q

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
Q017	8-729-119-78	TRANSISTOR 2SC2785-HFE		R070	1-249-425-11	CARBON 4.7K 5%	1/4W
Q018	8-729-900-89	TRANSISTOR DTC144ES		R071	1-249-413-11	CARBON 470 5%	1/4W
Q020	8-729-119-76	TRANSISTOR 2SA1175-HFE		R072	1-247-891-00	CARBON 330K 5%	1/4W
Q021	8-729-119-78	TRANSISTOR 2SC2785-HFE		R073	1-249-417-11	CARBON 1K 5%	1/4W
Q022	8-729-119-78	TRANSISTOR 2SC2785-HFE		R074	1-249-429-11	CARBON 10K 5%	1/4W
Q023	8-729-119-78	TRANSISTOR 2SC2785-HFE		R075	1-215-455-00	METAL 27K 1%	1/6W
<RESISTOR>				R076	1-249-409-11	CARBON 220 5%	1/4W
R001	1-249-405-11	CARBON 100 5%	1/4W	R077	1-249-421-11	CARBON 2.2K 5%	1/4W
R003	1-249-417-11	CARBON 1K 5%	1/4W	R078	1-249-421-11	CARBON 2.2K 5%	1/4W
R004	1-249-399-11	CARBON 33 5%	1/4W	R079	1-249-417-11	CARBON 1K 5%	1/4W
R005	1-249-405-11	CARBON 100 5%	1/4W	R082	1-249-405-11	CARBON 100 5%	1/4W
R006	1-249-409-11	CARBON 220 5%	1/4W	R083	1-249-409-11	CARBON 220 5%	1/4W
R007	1-249-421-11	CARBON 2.2K 5%	1/4W	R084	1-249-409-11	CARBON 220 5%	1/4W
R008	1-249-421-11	CARBON 2.2K 5%	1/4W	R085	1-249-416-11	CARBON 820 5%	1/4W
R009	1-249-415-11	CARBON 680 5%	1/4W	R086	1-249-417-11	CARBON 1K 5%	1/4W
R010	1-249-434-11	CARBON 27K 5%	1/4W	R087	1-249-417-11	CARBON 1K 5%	1/4W
R012	1-249-415-11	CARBON 680 5%	1/4W	R088	1-249-433-11	CARBON 22K 5%	1/4W
R013	1-249-431-11	CARBON 15K 5%	1/4W	R090	1-249-425-11	CARBON 4.7K 5%	1/4W
R014	1-249-434-11	CARBON 27K 5%	1/4W	R091	1-249-409-11	CARBON 220 5%	1/4W
R016	1-249-419-11	CARBON 1.5K 5%	1/4W	R092	1-249-408-11	CARBON 180 5%	1/4W
R018	1-249-405-11	CARBON 100 5%	1/4W	R099	1-249-405-11	CARBON 100 5%	1/4W
R019	1-249-417-11	CARBON 1K 5%	1/4W	<VARIABLE RESISTOR>			
R020	1-249-431-11	CARBON 15K 5%	1/4W	RV001	1-228-996-00	RES, ADJ, CARBON 47K	
R021	1-249-431-11	CARBON 15K 5%	1/4W	<CRYSTAL>			
R022	1-249-435-11	CARBON 33K 5%	1/4W	X003	1-577-611-11	OSCILATOR, CERAMIC	
R023	1-249-427-11	CARBON 6.8K 5%	1/4W	X358	1-567-505-11	OSCILLATOR, CRYSTAL	
R024	1-249-430-11	CARBON 12K 5%	1/4W	*****			
R025	1-249-411-11	CARBON 330 5%	1/4W	*1-632-539-11	Q BOARD		
R026	1-249-411-11	CARBON 330 5%	1/4W	*****			
R027	1-249-433-11	CARBON 22K 5%	1/4W	1-537-268-11	TERMINAL BOARD, INPUT/OUTPUT		
R028	1-249-435-11	CARBON 33K 5%	1/4W	1-537-269-11	TERMINAL BOARD, INPUT/OUTPUT		
R029	1-249-419-11	CARBON 1.5K 5%	1/4W	*1-564-522-11	PLUG, CONNECTOR 7P		
R030	1-249-411-11	CARBON 330 5%	1/4W	<CAPACITOR>			
R031	1-249-415-11	CARBON 680 5%	1/4W	C3001	1-126-160-11	ELECT 1MF 20%	50V
R032	1-249-411-11	CARBON 330 5%	1/4W	C3002	1-124-589-11	ELECT 47MF 20%	16V
R033	1-249-417-11	CARBON 1K 5%	1/4W	C3003	1-124-589-11	ELECT 47MF 20%	16V
R034	1-249-421-11	CARBON 2.2K 5%	1/4W	C3004	1-126-160-11	ELECT 1MF 20%	50V
R035	1-249-429-11	CARBON 10K 5%	1/4W	C3005	1-126-160-11	ELECT 1MF 20%	50V
R036	1-249-441-11	CARBON 100K 5%	1/4W	C3006	1-126-160-11	ELECT 1MF 20%	50V
R037	1-249-411-11	CARBON 330 5%	1/4W	C3007	1-164-097-11	CERAMIC 0.022MF	50V
R038	1-249-417-11	CARBON 1K 5%	1/4W	C3008	1-124-589-11	ELECT 47MF 20%	16V
R039	1-249-417-11	CARBON 1K 5%	1/4W	C3009	1-124-589-11	ELECT 47MF 20%	16V
R040	1-249-416-11	CARBON 820 5%	1/4W	<COMPOSITION CIRCUIT BLOCK>			
R041	1-249-415-11	CARBON 680 5%	1/4W	CP3002	1-232-347-00	COMPOSITION CIRCUIT BLOCK	
R042	1-249-405-11	CARBON 100 5%	1/4W	CP3003	1-232-348-00	COMPOSITION CIRCUIT BLOCK	
R043	1-249-435-11	CARBON 33K 5%	1/4W	<DIODE>			
R044	1-249-415-11	CARBON 680 5%	1/4W	D3001	8-719-911-19	DIODE 1SS119	
R045	1-249-419-11	CARBON 1.5K 5%	1/4W	<MODULE>			
R046	1-249-409-11	CARBON 220 5%	1/4W	IC3001	1-808-916-11	MODULE, BUFFER (BUF-1)	
R047	1-249-405-11	CARBON 100 5%	1/4W				
R052	1-249-417-11	CARBON 1K 5%	1/4W				
R053	1-249-419-11	CARBON 1.5K 5%	1/4W				
R054	1-247-842-11	CARBON 3K 5%	1/4W				
R055	1-249-437-11	CARBON 47K 5%	1/4W				
R058	1-249-429-11	CARBON 10K 5%	1/4W				
R060	1-249-409-11	CARBON 220 5%	1/4W				
R062	1-249-409-11	CARBON 220 5%	1/4W				
R063	1-249-409-11	CARBON 220 5%	1/4W				
R066	1-249-410-11	CARBON 270 5%	1/4W				
R067	1-249-408-11	CARBON 180 5%	1/4W				
R068	1-249-410-11	CARBON 270 5%	1/4W				
R069	1-249-421-11	CARBON 2.2K 5%	1/4W				

Q

A

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
IC3003	1-808-916-11	MODULE, BUFFER (BUF-1)		*1-564-513-11	PLUG, CONNECTOR 10P		
IC3004	1-808-916-11	MODULE, BUFFER (BUF-1)		*1-564-514-11	PLUG, CONNECTOR 11P		
				*1-564-516-11	PLUG, CONNECTOR 13P		
				*1-568-371-11	PIN, CONNECTOR (PC BOARD) 15P		
				4-382-854-01	SCREW (M3X8), P, SW (+)		
		<TRANSISTOR>					
Q3001	8-729-904-34	TRANSISTOR DTA114TS					
Q3003	8-729-900-89	TRANSISTOR DTC144ES					
Q3004	8-729-900-89	TRANSISTOR DTC144ES					
Q3005	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q3006	8-729-119-78	TRANSISTOR 2SC2785-HFE					
					<CAPACITOR>		
Q3007	8-729-119-78	TRANSISTOR 2SC2785-HFE		C200	1-164-079-11	CERAMIC 330PF	10% 50V
				C201	1-123-875-11	ELECT 10MF	20% 50V
				C202	1-124-477-11	ELECT 47MF	20% 16V
				C203	1-124-477-11	ELECT 47MF	20% 16V
				C204	1-124-477-11	ELECT 47MF	20% 16V
		<RESISTOR>		C205	1-124-477-11	ELECT 47MF	20% 16V
R3001	1-247-104-00	CARBON 75 5% 1/4W		C206	1-126-101-11	ELECT 100MF	20% 16V
R3002	1-249-409-11	CARBON 220 5% 1/4W		C207	1-164-097-11	CERAMIC 0.022MF	50V
R3003	1-249-409-11	CARBON 220 5% 1/4W		C208	1-164-087-11	CERAMIC 0.0015MF	10% 50V
R3004	1-249-417-11	CARBON 1K 5% 1/4W		C209	1-124-464-11	ELECT 0.22MF	20% 50V
R3005	1-249-417-11	CARBON 1K 5% 1/4W					
R3006	1-247-104-00	CARBON 75 5% 1/4W		C210	1-123-875-11	ELECT 10MF	20% 50V
R3008	1-247-104-00	CARBON 75 5% 1/4W		C211	1-124-360-00	ELECT 1000MF	20% 16V
R3010	1-249-429-11	CARBON 10K 5% 1/4W		C212	1-123-875-11	ELECT 10MF	20% 50V
R3011	1-249-429-11	CARBON 10K 5% 1/4W		C213	1-164-097-11	CERAMIC 0.022MF	50V
R3012	1-249-429-11	CARBON 10K 5% 1/4W		C214	1-106-383-00	MYLAR 0.047MF	10% 100V
R3013	1-249-405-11	CARBON 100 5% 1/4W		C215	1-124-557-11	ELECT 1000MF	20% 25V
R3014	1-249-417-11	CARBON 1K 5% 1/4W		C216	1-126-101-11	ELECT 100MF	20% 16V
R3015	1-249-405-11	CARBON 100 5% 1/4W		C217	1-164-079-11	CERAMIC 330PF	10% 50V
R3016	1-249-409-11	CARBON 220 5% 1/4W		C218	1-102-973-00	CERAMIC 100PF	5% 50V
R3017	1-249-417-11	CARBON 1K 5% 1/4W		C219	1-126-101-11	ELECT 100MF	20% 16V
R3018	1-249-417-11	CARBON 1K 5% 1/4W		C220	1-124-477-11	ELECT 47MF	20% 25V
R3020	1-249-405-11	CARBON 100 5% 1/4W		C221	1-106-343-00	MYLAR 0.001MF	10% 100V
R3021	1-249-409-11	CARBON 220 5% 1/4W		C222	1-126-101-11	ELECT 100MF	20% 16V
R3022	1-249-409-11	CARBON 220 5% 1/4W		C223	1-124-477-11	ELECT 47MF	20% 16V
R3023	1-249-417-11	CARBON 1K 5% 1/4W		C224	1-102-971-00	CERAMIC 82PF	5% 50V
R3024	1-249-441-11	CARBON 100K 5% 1/4W		C226	1-124-499-11	ELECT 1MF	20% 50V
R3025	1-249-433-11	CARBON 22K 5% 1/4W		C227	1-106-343-00	MYLAR 0.001MF	10% 100V
R3030	1-249-440-11	CARBON 82K 5% 1/4W		C228	1-164-097-11	CERAMIC 0.022MF	50V
R3031	1-249-440-11	CARBON 82K 5% 1/4W		C229	1-124-477-11	ELECT 47MF	20% 16V
R3032	1-249-440-11	CARBON 82K 5% 1/4W		C230	1-124-499-11	ELECT 1MF	20% 50V
R3033	1-249-440-11	CARBON 82K 5% 1/4W		C231	1-164-097-11	CERAMIC 0.022MF	50V
R3034	1-249-440-11	CARBON 82K 5% 1/4W		C232	1-124-360-00	ELECT 1000MF	20% 16V
R3035	1-249-440-11	CARBON 82K 5% 1/4W		C233	1-124-499-11	ELECT 1MF	20% 50V
R3036	1-249-421-11	CARBON 2.2K 5% 1/4W		C234	1-124-477-11	ELECT 47MF	20% 16V
R3037	1-249-421-11	CARBON 2.2K 5% 1/4W		C235	1-102-971-00	CERAMIC 82PF	5% 50V
R3038	1-249-421-11	CARBON 2.2K 5% 1/4W		C236	1-124-902-00	ELECT 0.47MF	20% 50V
R3040	1-249-417-11	CARBON 1K 5% 1/4W		C237	1-164-027-11	CERAMIC 22PF	5% 50V
R3041	1-247-887-00	CARBON 220K 5% 1/4W		C238	1-124-477-11	ELECT 47MF	20% 16V
				C239	1-106-351-00	MYLAR 0.0022MF	10% 100V
				C240	1-124-927-11	ELECT 4.7MF	20% 50V
		<SWITCH>		C241	1-130-479-00	MYLAR 0.0047MF	5% 50V
S3002	1-570-257-11	SWITCH, PUSH (1 KEY)		C242	1-164-097-11	CERAMIC 0.022MF	50V
S3003	1-571-640-21	SWITCH, SLIDE		C243	1-136-165-00	FILM 0.1MF	5% 50V
				C244	1-124-925-11	ELECT 2.2MF	20% 50V
				C245	1-124-902-00	ELECT 0.47MF	20% 50V
		*****		C246	1-124-477-11	ELECT 47MF	20% 16V
*A-1296-651-A	A BOARD, COMPLETE	*****		C247	1-126-101-11	ELECT 100MF	20% 16V
*1-506-517-11	PLUG, CONNECTOR (PC BOARD) 5P			C248	1-123-875-11	ELECT 10MF	20% 50V
*1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P			C249	1-126-157-11	ELECT 10MF	20% 16V
*1-564-506-11	PLUG, CONNECTOR 3P			C250	1-124-902-00	ELECT 0.47MF	20% 50V
*1-564-509-11	PLUG, CONNECTOR 6P						
*1-564-510-11	PLUG, CONNECTOR 7P			C251	1-164-097-11	CERAMIC 0.022MF	50V
*1-564-511-11	PLUG, CONNECTOR 8P			C252	1-123-875-11	ELECT 10MF	20% 50V
*1-564-512-11	PLUG, CONNECTOR 9P			C253	1-124-902-00	ELECT 0.47MF	20% 50V
				C254	1-106-367-00	MYLAR 0.01MF	10% 100V
				C255	1-164-083-11	CERAMIC 680PF	10% 50V

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
C256	1-101-888-00	CERAMIC	68PF	5%	50V	IC205	8-759-040-53 IC MC14053BCP
C257	1-124-477-11	ELECT	47MF	20%	16V	IC206	8-759-420-04 IC AN5265
C258	1-124-791-11	ELECT	1MF	20%	50V	IC207	1-808-917-11 MODULE, CGA (CGA-1A)
C259	1-136-153-00	MYLAR	0.01MF	10%	50V	IC208	8-759-982-21 IC RC78L05A
C260	1-136-161-00	FILM	0.047MF	5%	50V	IC209	8-759-800-81 IC LA7016
C261	1-124-477-11	ELECT	47MF	20%	16V	IC210	8-759-040-53 IC MC14053BCP
C262	1-124-499-11	ELECT	1MF	20%	50V	IC211	8-759-902-21 IC SN74LS221N
C263	1-136-155-00	FILM	0.015MF	5%	50V	IC212	8-759-634-10 IC M52001SP
C264	1-124-499-11	ELECT	1MF	20%	50V	IC213	8-759-040-53 IC MC14053BCP
C265	1-124-499-11	ELECT	1MF	20%	50V	IC214	8-759-420-58 IC AN5860
C266	1-164-097-11	CERAMIC	0.022MF		50V	IC215	8-759-902-21 IC SN74LS221N
C267	1-124-120-11	ELECT	220MF	20%	16V	IC218	8-759-982-21 IC RC78L05A
C272	1-164-079-11	CERAMIC	330PF	10%	50V	IC220	8-759-146-55 IC UPC2412HF
C273	1-164-085-11	CERAMIC	0.001MF	10%	50V		
C274	1-124-463-00	ELECT	0.1MF	20%	50V		
C275	1-130-728-00	FILM	0.0022MF	5%	50V		<COIL>
C276	1-124-477-11	ELECT	47MF	20%	16V	L201	1-410-494-11 INDUCTOR 1MH
C278	1-164-077-11	CERAMIC	220PF	10%	50V	L202	1-408-414-00 INDUCTOR 27UH
C279	1-124-463-00	ELECT	0.1MF	20%	50V	L203	1-410-510-11 INDUCTOR 12UH
C280	1-126-101-11	ELECT	100MF	20%	16V	L204	1-410-507-11 INDUCTOR 6.8UH
C281	1-124-478-11	ELECT	100MF	20%	25V		
C283	1-124-120-11	ELECT	220MF	20%	16V		<TRANSISTOR>
C284	1-164-076-11	CERAMIC	180PF	10%	50V	Q200	8-729-119-78 TRANSISTOR 2SC2785-HFE
C286	1-124-925-11	ELECT	2.2MF	20%	50V	Q201	8-729-119-78 TRANSISTOR 2SC2785-HFE
C289	1-164-027-11	CERAMIC	22PF	5%	50V	Q202	8-729-119-78 TRANSISTOR 2SC2785-HFE
C290	1-126-101-11	ELECT	100MF	20%	16V	Q203	8-729-119-78 TRANSISTOR 2SC2785-HFE
C291	1-124-477-11	ELECT	47MF	20%	16V	Q204	8-729-119-78 TRANSISTOR 2SC2785-HFE
C292	1-124-791-11	ELECT	1MF	20%	50V	Q205	8-729-119-78 TRANSISTOR 2SC2785-HFE
		<DIODE>				Q206	8-729-119-78 TRANSISTOR 2SC2785-HFE
D200	8-719-936-56	DIODE DAN209S				Q207	8-729-119-78 TRANSISTOR 2SC2785-HFE
D202	8-719-110-36	DIODE RD13ES-B2				Q208	8-729-119-78 TRANSISTOR 2SC2785-HFE
D203	8-719-110-36	DIODE RD13ES-B2				Q209	8-729-900-36 TRANSISTOR DTC124ES
D204	8-719-911-19	DIODE ISS119				Q210	8-729-900-89 TRANSISTOR DTC144ES
D205	8-719-911-19	DIODE ISS119				Q211	8-729-119-76 TRANSISTOR 2SA1175-HFE
D206	8-719-911-19	DIODE ISS119				Q212	8-729-119-78 TRANSISTOR 2SC2785-HFE
D207	8-719-110-36	DIODE RD13ES-B2				Q213	8-729-119-76 TRANSISTOR 2SA1175-HFE
D208	8-719-109-69	DIODE RD3.6ES-B2				Q214	8-729-119-78 TRANSISTOR 2SC2785-HFE
D209	8-719-911-19	DIODE ISS119				Q215	8-729-140-97 TRANSISTOR 2SB734-34
D210	8-719-911-19	DIODE ISS119				Q216	8-729-119-78 TRANSISTOR 2SC2785-HFE
D211	8-719-936-56	DIODE DAN209S				Q217	8-729-119-78 TRANSISTOR 2SC2785-HFE
D212	8-719-911-19	DIODE ISS119				Q218	8-729-920-98 TRANSISTOR 2SD1761-EF
D213	8-719-911-19	DIODE ISS119				Q219	8-729-119-78 TRANSISTOR 2SC2785-HFE
D214	8-719-911-19	DIODE ISS119				Q220	8-729-119-78 TRANSISTOR 2SC2785-HFE
D215	8-719-911-19	DIODE ISS119				Q221	8-729-119-78 TRANSISTOR 2SC2785-HFE
D216	8-719-911-19	DIODE ISS119				Q222	8-729-119-78 TRANSISTOR 2SC2785-HFE
D217	8-719-911-19	DIODE ISS119				Q223	8-729-119-78 TRANSISTOR 2SC2785-HFE
D218	8-719-911-19	DIODE ISS119				Q224	8-729-119-78 TRANSISTOR 2SC2785-HFE
D219	8-719-911-19	DIODE ISS119				Q225	8-729-115-30 TRANSISTOR 2SK105A-30
D220	8-719-911-19	DIODE ISS119				Q226	8-729-900-89 TRANSISTOR DTC144ES
D221	8-719-911-19	DIODE ISS119				Q227	8-729-119-78 TRANSISTOR 2SC2785-HFE
D222	8-719-911-19	DIODE ISS119				Q228	8-729-119-78 TRANSISTOR 2SC2785-HFE
D223	8-719-911-19	DIODE ISS119				Q229	8-729-119-78 TRANSISTOR 2SC2785-HFE
D224	8-719-911-19	DIODE ISS119				Q230	8-729-119-78 TRANSISTOR 2SC2785-HFE
D225	8-719-911-19	DIODE ISS119				Q231	8-729-119-78 TRANSISTOR 2SC2785-HFE
D298	8-719-911-19	DIODE ISS119				Q232	8-729-119-78 TRANSISTOR 2SC2785-HFE
		<IC>				Q233	8-729-900-89 TRANSISTOR DTC144ES
IC201	1-808-916-11	MODULE, BUFFER (BUF-1)				Q234	8-729-900-89 TRANSISTOR DTC144ES
IC202	1-808-916-11	MODULE, BUFFER (BUF-1)				Q235	8-729-119-78 TRANSISTOR 2SC2785-HFE
IC203	1-808-916-11	MODULE, BUFFER (BUF-1)				Q236	8-729-119-78 TRANSISTOR 2SC2785-HFE
IC204	1-808-916-11	MODULE, BUFFER (BUF-1)				Q237	8-729-119-78 TRANSISTOR 2SC2785-HFE

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
Q240	8-729-119-78	TRANSISTOR 2SC2785-HFE		R230	1-249-417-11	CARBON 1K 5% 1/4W	
Q241	8-729-900-89	TRANSISTOR DTC144ES		R231	1-249-417-11	CARBON 1K 5% 1/4W	
Q242	8-729-900-89	TRANSISTOR DTC144ES		R232	1-249-401-11	CARBON 47 5% 1/4W	
Q243	8-729-140-97	TRANSISTOR 2SB734-34		R233	1-249-427-11	CARBON 6.8K 5% 1/4W	
Q244	8-729-119-78	TRANSISTOR 2SC2785-HFE		R234	1-249-401-11	CARBON 47 5% 1/4W	
Q245	8-729-119-78	TRANSISTOR 2SC2785-HFE		R235	1-249-401-11	CARBON 47 5% 1/4W	
Q246	8-729-900-89	TRANSISTOR DTC144ES		R236	1-249-437-11	CARBON 47K 5% 1/4W	
Q247	8-729-900-89	TRANSISTOR DTC144ES		R237	1-247-713-11	CARBON 1K 5% 1/4W	
Q248	8-729-119-76	TRANSISTOR 2SA1175-HFE		R238	1-249-419-11	CARBON 1.5K 5% 1/4W	
Q249	8-729-119-78	TRANSISTOR 2SC2785-HFE		R239	1-247-895-00	CARBON 470K 5% 1/4W	
Q250	8-729-119-76	TRANSISTOR 2SA1175-HFE		R240	1-249-433-11	CARBON 22K 5% 1/4W	
Q251	8-729-119-78	TRANSISTOR 2SC2785-HFE		R241	1-249-429-11	CARBON 10K 5% 1/4W	
Q252	8-729-119-78	TRANSISTOR 2SC2785-HFE		R243	1-249-405-11	CARBON 100 5% 1/4W	
Q253	8-729-119-78	TRANSISTOR 2SC2785-HFE		R244	1-249-415-11	CARBON 680 5% 1/4W	
Q254	8-729-140-97	TRANSISTOR 2SB734-34		R245	1-249-429-11	CARBON 10K 5% 1/4W	
Q255	8-729-900-89	TRANSISTOR DTC144ES		R246	1-247-804-11	CARBON 75 5% 1/4W	
Q256	8-729-119-78	TRANSISTOR 2SC2785-HFE		R247	1-249-389-11	CARBON 4.7 5% 1/4W	
Q261	8-729-119-78	TRANSISTOR 2SC2785-HFE		R248	1-249-397-11	CARBON 22 5% 1/4W	F
Q262	8-729-900-89	TRANSISTOR DTC144ES		R249	1-249-411-11	CARBON 330 5% 1/4W	
Q263	8-729-119-78	TRANSISTOR 2SC2785-HFE		R250	1-249-417-11	CARBON 1K 5% 1/4W	
Q264	8-729-119-78	TRANSISTOR 2SC2785-HFE		R251	1-249-437-11	CARBON 47K 5% 1/4W	
Q265	8-729-119-78	TRANSISTOR 2SC2785-HFE		R252	1-249-429-11	CARBON 10K 5% 1/4W	
Q268	8-729-119-76	TRANSISTOR 2SA1175-HFE		R253	1-249-441-11	CARBON 100K 5% 1/4W	
Q269	8-729-119-76	TRANSISTOR 2SA1175-HFE		R254	1-249-417-11	CARBON 1K 5% 1/4W	
Q270	8-729-900-89	TRANSISTOR DTC144ES		R255	1-247-713-11	CARBON 1K 5% 1/4W	
Q271	8-729-900-89	TRANSISTOR DTC144ES		R256	1-249-417-11	CARBON 1K 5% 1/4W	
Q272	8-729-900-89	TRANSISTOR DTC144ES		R257	1-249-417-11	CARBON 1K 5% 1/4W	
Q273	8-729-900-89	TRANSISTOR DTC144ES		R258	1-249-433-11	CARBON 22K 5% 1/4W	
Q274	8-729-119-78	TRANSISTOR 2SC2785-HFE		R259	1-249-437-11	CARBON 47K 5% 1/4W	
Q275	8-729-900-89	TRANSISTOR DTC144ES		R260	1-249-417-11	CARBON 1K 5% 1/4W	
Q276	8-729-900-89	TRANSISTOR DTC144ES		R261	1-249-405-11	CARBON 100 5% 1/4W	
-RESISTOR-				R262	1-249-431-11	CARBON 15K 5% 1/4W	
R200	1-247-704-11	CARBON 220 5% 1/4W		R263	1-249-429-11	CARBON 10K 5% 1/4W	
R201	1-249-417-11	CARBON 1K 5% 1/4W		R264	1-249-425-11	CARBON 4.7K 5% 1/4W	
R202	1-249-417-11	CARBON 1K 5% 1/4W		R265	1-249-426-11	CARBON 5.6K 5% 1/4W	
R203	1-247-895-00	CARBON 470K 5% 1/4W		R266	1-247-717-11	CARBON 2.2K 5% 1/4W	
R204	1-249-425-11	CARBON 4.7K 5% 1/4W		R267	1-247-700-11	CARBON 100 5% 1/4W	
R205	1-249-415-11	CARBON 680 5% 1/4W		R269	1-249-405-11	CARBON 100 5% 1/4W	
R206	1-249-382-11	CARBON 1.2 5% 1/4W	F	R270	1-249-437-11	CARBON 47K 5% 1/4W	
R207	1-247-725-11	CARBON 10K 5% 1/4W		R271	1-249-405-11	CARBON 100 5% 1/4W	
R208	1-249-441-11	CARBON 100K 5% 1/4W		R272	1-249-425-11	CARBON 4.7K 5% 1/4W	
R209	1-249-441-11	CARBON 100K 5% 1/4W		R273	1-249-401-11	CARBON 47 5% 1/4W	
R210	1-249-401-11	CARBON 47 5% 1/4W		R274	1-249-401-11	CARBON 47 5% 1/4W	
R211	1-247-804-11	CARBON 75 5% 1/4W		R275	1-249-401-11	CARBON 47 5% 1/4W	
R212	1-247-804-11	CARBON 75 5% 1/4W		R276	1-249-437-11	CARBON 47K 5% 1/4W	
R213	1-247-804-11	CARBON 75 5% 1/4W		R277	1-247-713-11	CARBON 1K 5% 1/4W	
R214	1-247-804-11	CARBON 75 5% 1/4W		R278	1-247-700-11	CARBON 100 5% 1/4W	
R215	1-247-804-11	CARBON 75 5% 1/4W		R279	1-247-713-11	CARBON 1K 5% 1/4W	
R216	1-249-421-11	CARBON 2.2K 5% 1/4W		R280	1-249-417-11	CARBON 1K 5% 1/4W	
R217	1-249-417-11	CARBON 1K 5% 1/4W		R281	1-249-405-11	CARBON 100 5% 1/4W	
R218	1-247-717-11	CARBON 2.2K 5% 1/4W		R282	1-247-700-11	CARBON 100 5% 1/4W	
R219	1-247-717-11	CARBON 2.2K 5% 1/4W		R283	1-249-405-11	CARBON 100 5% 1/4W	
R220	1-247-717-11	CARBON 2.2K 5% 1/4W		R284	1-249-419-11	CARBON 1.5K 5% 1/4W	
R221	1-247-717-11	CARBON 2.2K 5% 1/4W		R285	1-249-429-11	CARBON 10K 5% 1/4W	
R222	1-249-421-11	CARBON 2.2K 5% 1/4W		R286	1-247-713-11	CARBON 1K 5% 1/4W	
R223	1-249-437-11	CARBON 47K 5% 1/4W		R287	1-249-411-11	CARBON 330 5% 1/4W	
R224	1-249-421-11	CARBON 2.2K 5% 1/4W		R288	1-249-411-11	CARBON 330 5% 1/4W	
R225	1-249-417-11	CARBON 1K 5% 1/4W		R289	1-249-416-11	CARBON 820 5% 1/4W	
R226	1-249-401-11	CARBON 47 5% 1/4W	F	R290	1-249-429-11	CARBON 10K 5% 1/4W	
R227	1-249-401-11	CARBON 47 5% 1/4W		R291	1-249-469-11	CARBON 100K 5% 1/4W	
R228	1-249-417-11	CARBON 1K 5% 1/4W		R292	1-249-429-11	CARBON 10K 5% 1/4W	
R229	1-249-417-11	CARBON 1K 5% 1/4W		R293	1-249-425-11	CARBON 4.7K 5% 1/4W	
				R294	1-249-433-11	CARBON 22K 5% 1/4W	

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REF. NO.	PART NO.	DESCRIPTION	REMARK
R295	1-215-435-00	METAL	3.9K 1% 1/6W
R296	1-215-453-00	METAL	22K 1% 1/6W
R297	1-247-704-11	CARBON	220 5% 1/4W
R298	1-249-433-11	CARBON	22K 5% 1/4W
R299	1-249-417-11	CARBON	1K 5% 1/4W
R300	1-249-409-11	CARBON	220 5% 1/4W
R301	1-249-429-11	CARBON	10K 5% 1/4W
R302	1-249-417-11	CARBON	1K 5% 1/4W
R303	1-249-434-11	CARBON	27K 5% 1/4W
R304	1-249-417-11	CARBON	1K 5% 1/4W
R305	1-249-405-11	CARBON	100 5% 1/4W
R306	1-247-713-11	CARBON	1K 5% 1/4W
R307	1-247-704-11	CARBON	220 5% 1/4W
R308	1-249-425-11	CARBON	4.7K 5% 1/4W
R309	1-249-409-11	CARBON	220 5% 1/4W
R310	1-249-441-11	CARBON	100K 5% 1/4W
R311	1-249-409-11	CARBON	220 5% 1/4W
R312	1-249-423-11	CARBON	3.3K 5% 1/4W
R313	1-247-700-11	CARBON	100 5% 1/4W
R314	1-249-409-11	CARBON	220 5% 1/4W
R315	1-249-411-11	CARBON	330 5% 1/4W
R316	1-249-417-11	CARBON	1K 5% 1/4W
R317	1-249-405-11	CARBON	100 5% 1/4W
R318	1-249-409-11	CARBON	220 5% 1/4W
R319	1-249-425-11	CARBON	4.7K 5% 1/4W
R320	1-249-429-11	CARBON	10K 5% 1/4W
R321	1-249-429-11	CARBON	10K 5% 1/4W
R322	1-247-704-11	CARBON	220 5% 1/4W
R323	1-249-437-11	CARBON	47K 5% 1/4W
R324	1-249-409-11	CARBON	220 5% 1/4W
R325	1-216-421-11	METAL OXIDE	12 5% 1W F
R326	1-249-429-11	CARBON	10K 5% 1/4W
R327	1-249-399-11	CARBON	33 5% 1/4W
R328	1-249-409-11	CARBON	220 5% 1/4W
R329	1-215-431-00	METAL	2.7K 1% 1/6W
R330	1-215-455-00	METAL	27K 1% 1/6W
R331	1-249-419-11	CARBON	1.5K 5% 1/4W
R332	1-249-437-11	CARBON	47K 5% 1/4W
R333	1-249-429-11	CARBON	10K 5% 1/4W
R334	1-249-419-11	CARBON	1.5K 5% 1/4W
R335	1-249-403-11	CARBON	68 5% 1/4W
R336	1-249-465-11	CARBON	47K 5% 1/4W
R337	1-215-906-11	METAL OXIDE	15 5% 3W F
R338	1-249-423-11	CARBON	3.3K 5% 1/4W
R339	1-249-441-11	CARBON	100K 5% 1/4W
R340	1-247-714-11	CARBON	1.2K 5% 1/4W F
R341	1-249-419-11	CARBON	1.5K 5% 1/4W
R342	1-247-725-11	CARBON	10K 5% 1/4W
R343	1-249-421-11	CARBON	2.2K 5% 1/4W
R344	1-249-435-11	CARBON	33K 5% 1/4W
R345	1-247-713-11	CARBON	1K 5% 1/4W
R346	1-249-465-11	CARBON	47K 5% 1/4W
R347	1-249-427-11	CARBON	6.8K 5% 1/4W
R348	1-247-700-11	CARBON	100 5% 1/4W
R349	1-247-700-11	CARBON	100 5% 1/4W
R350	1-247-700-11	CARBON	100 5% 1/4W
R351	1-215-469-00	METAL	100K 1% 1/6W
R352	1-247-883-00	CARBON	150K 5% 1/4W
R353	1-247-883-00	CARBON	150K 5% 1/4W
R354	1-249-419-11	CARBON	1.5K 5% 1/4W
R355	1-247-704-11	CARBON	220 5% 1/4W
R356	1-247-704-11	CARBON	220 5% 1/4W
R357	1-249-419-11	CARBON	1.5K 5% 1/4W
R358	1-249-409-11	CARBON	220 5% 1/4W

REF. NO.	PART NO.	DESCRIPTION	REMARK
R359	1-249-467-11	CARBON	68K 5% 1/4W
R360	1-249-437-11	CARBON	47K 5% 1/4W
R361	1-216-373-11	METAL OXIDE	2.2 5% 2W F
R362	1-249-401-11	CARBON	47 5% 1/4W
R363	1-249-401-11	CARBON	47 5% 1/4W
R364	1-249-401-11	CARBON	47 5% 1/4W
R365	1-249-419-11	CARBON	1.5K 5% 1/4W
R366	1-215-421-00	METAL	1K 1% 1/6W
R367	1-249-417-11	CARBON	1K 5% 1/4W
R368	1-249-405-11	CARBON	100 5% 1/4W
R369	1-249-436-11	CARBON	39K 5% 1/4W
R370	1-249-433-11	CARBON	22K 5% 1/4W
R371	1-249-414-11	CARBON	560 5% 1/4W
R372	1-249-433-11	CARBON	22K 5% 1/4W
R373	1-249-433-11	CARBON	22K 5% 1/4W
R374	1-249-409-11	CARBON	220 5% 1/4W
R375	1-247-704-11	CARBON	220 5% 1/4W
R376	1-249-433-11	CARBON	22K 5% 1/4W
R377	1-249-429-11	CARBON	10K 5% 1/4W
R378	1-249-429-11	CARBON	10K 5% 1/4W
R379	1-249-433-11	CARBON	22K 5% 1/4W
R380	1-247-899-11	CARBON	680K 5% 1/4W
R381	1-249-437-11	CARBON	47K 5% 1/4W
R382	1-249-429-11	CARBON	10K 5% 1/4W
R383	1-249-425-11	CARBON	4.7K 5% 1/4W
R384	1-249-433-11	CARBON	22K 5% 1/4W
R385	1-249-433-11	CARBON	22K 5% 1/4W
R386	1-249-421-11	CARBON	2.2K 5% 1/4W
R387	1-249-441-11	CARBON	100K 5% 1/4W
R388	1-249-425-11	CARBON	4.7K 5% 1/4W
R389	1-249-409-11	CARBON	220 5% 1/4W
R391	1-249-417-11	CARBON	1K 5% 1/4W
R392	1-247-722-11	CARBON	5.6K 5% 1/4W
R393	1-247-726-11	CARBON	33K 5% 1/4W
R394	1-249-465-11	CARBON	47K 5% 1/4W
R395	1-249-441-11	CARBON	100K 5% 1/4W
R396	1-247-700-11	CARBON	100 5% 1/4W
R397	1-247-700-11	CARBON	100 5% 1/4W
R398	1-249-425-11	CARBON	4.7K 5% 1/4W
R399	1-247-700-11	CARBON	100 5% 1/4W
R400	1-249-435-11	CARBON	33K 5% 1/4W
R401	1-249-417-11	CARBON	1K 5% 1/4W
R404	1-249-417-11	CARBON	1K 5% 1/4W
R405	1-249-415-11	CARBON	680 5% 1/4W
R406	1-249-409-11	CARBON	220 5% 1/4W
R407	1-249-409-11	CARBON	220 5% 1/4W
R416	1-249-417-11	CARBON	1K 5% 1/4W
R417	1-247-891-00	CARBON	330K 5% 1/4W

<VARIABLE RESISTOR>

RV201 1-228-993-00 RES, ADJ, METAL GLAZE 4.7K
RV202 1-228-996-00 RES, ADJ, METAL GLAZE 47K

*1-633-816-11 AB BOARD

*1-564-505-11 PLUG, CONNECTOR 2P
*1-565-481-11 CONNECTOR, BOARD TO BOARD 5P

AB

AC

E

H

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<CAPACITOR>				<JACK>			
C3000	1-126-101-11	ELECT	100MF 20% 16V	J4001	1-563-933-11	JACK, MINIATURE (DIA. 3.5)	
C3003	1-102-973-00	CERAMIC	100PF 5% 50V	J4002	1-563-933-11	JACK, MINIATURE (DIA. 3.5)	
C3004	1-136-169-00	FILM	0.22MF 5% 50V	<RESISTOR>			
C3005	1-136-161-00	FILM	0.047MF 5% 50V	R4001	1-247-743-11	CARBON 220 5% 1/2W	
C3008	1-124-120-11	ELECT	220MF 20% 16V	R4002	1-247-743-11	CARBON 220 5% 1/2W	
C3009	1-101-884-00	CERAMIC	56PF 5% 50V	*****			
C3011	1-124-477-11	ELECT	47MF 20% 16V	*A-1371-602-A	H BOARD, COMPLETE	*****	
<TRANSISTOR>				*1-564-506-11	PLUG, CONNECTOR 3P		
Q3001	8-729-119-78	TRANSISTOR 2SC2785-HFE		*1-568-106-11	PIN, CONNECTOR 4P		
Q3002	8-729-119-76	TRANSISTOR 2SA1175-HFE		Δ *4-397-103-01	HOLDER, AC SWITCH		
Q3003	8-729-178-55	TRANSISTOR 2SC2785-E		<CAPACITOR>			
Q3004	8-729-119-76	TRANSISTOR 2SA1175-HFE		C1001	1-123-875-11	ELECT 10MF 20% 50V	
Q3005	8-729-119-76	TRANSISTOR 2SA1175-HFE		C1002	1-164-070-11	CERAMIC 100PF 5% 50V	
Q3006	8-729-119-78	TRANSISTOR 2SC2785-HFE		C1003	1-164-070-11	CERAMIC 100PF 5% 50V	
<RESISTOR>				C1004	1-164-097-11	CERAMIC 0.022MF 50V	
R3001	1-249-405-11	CARBON 100 5% 1/4W		C1005	1-164-097-11	CERAMIC 0.022MF 50V	
R3002	1-249-421-11	CARBON 2.2K 5% 1/4W		C1006	1-124-477-11	ELECT 47MF 20% 16V	
R3003	1-249-409-11	CARBON 220 5% 1/4W		C1007	1-164-097-11	CERAMIC 0.022MF 50V	
R3004	1-249-421-11	CARBON 2.2K 5% 1/4W		C1008	1-164-097-11	CERAMIC 0.022MF 50V	
R3005	1-249-441-11	CARBON 100K 5% 1/4W		C1009	1-164-097-11	CERAMIC 0.022MF 50V	
R3006	1-249-437-11	CARBON 47K 5% 1/4W		C1010	1-124-477-11	ELECT 47MF 20% 16V	
R3007	1-249-423-11	CARBON 3.3K 5% 1/4W		C1011	1-124-791-11	ELECT 1MF 20% 50V	
R3008	1-249-421-11	CARBON 2.2K 5% 1/4W		C1012	1-124-791-11	ELECT 1MF 20% 50V	
R3009	1-249-421-11	CARBON 2.2K 5% 1/4W		C1013	1-126-233-11	ELECT 22MF 20% 50V	
R3010	1-249-417-11	CARBON 1K 5% 1/4W		<DIODE>			
R3011	1-249-437-11	CARBON 47K 5% 1/4W		D1000	8-719-109-89	DIODE RD5.6ES-B2	
R3012	1-247-903-00	CARBON 1M 5% 1/4W		D1001	8-719-933-28	DIODE DAP209S	
R3013	1-249-429-11	CARBON 10K 5% 1/4W		D1002	8-719-109-84	DIODE RD5.1ES-B1	
R3014	1-249-409-11	CARBON 220 5% 1/4W		D1003	8-719-109-74	DIODE RD4.3ES-B1	
R3015	1-249-425-11	CARBON 4.7K 5% 1/4W		D1005	8-719-936-56	DIODE DAN209S	
R3016	1-249-405-11	CARBON 100 5% 1/4W		D1006	8-719-911-19	DIODE 1SS119	
R3020	1-249-405-11	CARBON 100 5% 1/4W		D1007	8-719-911-19	DIODE 1SS119	
*****				D1008	8-719-110-36	DIODE RD13ES-B2	
*1-634-210-11	AC BOARD	*****		D1009	8-719-911-19	DIODE 1SS119	
*1-564-506-11	PLUG, CONNECTOR 3P			D1010	8-719-109-89	DIODE RD5.6ES-B2	
<CAPACITOR>				D1011	8-719-911-19	DIODE 1SS119	
C225	1-136-173-00	FILM 0.47MF 5% 50V		LEDU1	1-808-949-11	LED UNIT (LEDU-13)	
C238	1-124-902-00	ELECT 0.47MF 20% 50V		LEDU2	1-808-918-11	LED UNIT (LEDU-9)	
C282	1-136-173-00	FILM 0.47MF 5% 50V		<IC>			
<TRANSISTOR>				IC1001	8-759-143-81	IC UPD7564CS-094	
Q257	8-729-119-78	TRANSISTOR 2SC2785-HFE		IC1002	8-752-330-59	IC CXK1011P	
<RESISTOR>				IC1003	8-759-982-21	IC RC78L05A	
R242	1-249-421-11	CARBON 2.2K 5% 1/4W		IC1004	8-759-102-28	IC UPD6326C	
R268	1-247-895-00	CARBON 470K 5% 1/4W		<COIL>			
*****				L1001	1-410-521-11	INDUCTOR 100UH	
*1-632-534-11	E BOARD	*****		L1002	1-408-429-00	INDUCTOR 470UH	
*1-564-506-11	PLUG, CONNECTOR 3P			<TRANSISTOR>			

G

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
C920	1-136-239-11	FILM 0.01MF	3% 1KV				
C921	1-129-764-00	FILM 0.039MF	10% 200V				
C922	1-123-024-21	ELECT 33MF	160V				
C923	1-123-024-21	ELECT 33MF	160V				
C924	1-123-024-21	ELECT 33MF	160V				
C925	1-124-126-00	ELECT 47MF	20% 16V				
C926	1-126-104-11	ELECT 470MF	20% 25V				
C927	1-126-104-11	ELECT 470MF	20% 35V				
C928	1-123-875-11	ELECT 10MF	20% 50V				
C929	1-124-126-00	ELECT 47MF	20% 16V				
C930	1-162-116-00	CERAMIC 680PF	10% 2KV				
C931	1-124-477-11	ELECT 47MF	20% 16V				
C932	1-102-125-00	CERAMIC 0.0047MF	10% 50V				
C933	1-124-887-00	ELECT 3300MF	20% 16V				
C934	1-102-125-00	CERAMIC 0.0047MF	10% 50V				
C935	1-124-563-11	ELECT 2200MF	20% 25V				
C936	1-126-101-11	ELECT 100MF	20% 16V				
C937	1-123-935-00	ELECT 33MF	20% 160V				
C939	1-102-125-00	CERAMIC 0.0047MF	10% 50V				
C943 Δ	1-136-360-51	FILM 0.22MF	20% 250V				
C944	1-124-910-11	ELECT 47MF	20% 35V				
C945	1-124-798-11	ELECT 1MF	20% 160V				
C946	1-124-798-11	ELECT 1MF	20% 160V				
C947	1-124-477-11	ELECT 47MF	20% 25V				
C948	1-162-116-00	CERAMIC 680PF	10% 2KV				
C949	1-124-477-11	ELECT 47MF	20% 25V				
<DIODE>				<TRANSISTOR>			
D901	8-719-946-90	DIODE KBU4JL-6088		Q901	8-729-904-23	TRANSISTOR 2SC3318-S	
D902	8-719-301-18	DIODE RM2CS		Q902	8-729-904-23	TRANSISTOR 2SC3318-S	
D903	8-719-971-20	DIODE ERC38-06		Q903	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D904	8-719-971-20	DIODE ERC38-06		Q904	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D905	8-719-301-18	DIODE RM2CS		Q905	8-729-140-96	TRANSISTOR 2SD774-34	
D906	8-719-971-20	DIODE ERC38-06		Q906	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D907	8-719-971-20	DIODE ERC38-06		Q907	8-729-140-96	TRANSISTOR 2SD774-34	
D908	8-719-300-33	DIODE RU-3AM		Q908	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D909	8-719-500-25	DIODE D5KC20RH		Q909	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D910	8-719-981-00	DIODE ERC81-004					
D911	8-719-300-33	DIODE RU-3AM		<RESISTOR>			
D912	8-719-300-33	DIODE RU-3AM		R901 Δ	1-244-939-91	CARBON 560K 5%	1/2W
D913	8-719-939-07	DIODE ERD38-06		R902 Δ	1-247-703-91	CARBON 180 5%	1/4W F
D914	8-719-939-07	DIODE ERD38-06		R903	1-202-840-00	SOLID 150K 10%	1/2W
D915	8-719-939-07	DIODE ERD38-06		R904	1-202-840-00	SOLID 150K 10%	1/2W
D916	8-719-981-00	DIODE ERC81-004		R905	1-202-842-11	SOLID 220K 10%	1/2W
D917	8-719-981-00	DIODE ERC81-004		R906	1-202-842-11	SOLID 220K 10%	1/2W
D918	8-719-981-00	DIODE ERC81-004		R907	1-202-842-11	SOLID 220K 10%	1/2W
D919	8-719-981-00	DIODE ERC81-004		R908	1-216-374-00	METAL OXIDE 2.7 5%	2W F
D920	8-719-939-07	DIODE ERD38-06		R909	1-207-451-00	WIREWOUND 0.1 10%	1/2W
D921	8-719-913-64	THYRISTOR CSM2B4A10		R910	1-216-374-00	METAL OXIDE 2.7 5%	2W F
D922	8-719-911-55	DIODE U05G		R911	1-249-381-11	CARBON 1 5%	1/4W F
D923	8-719-981-00	DIODE ERC81-004		R912	1-249-423-11	CARBON 3.3K 5%	1/4W
D924	8-719-300-33	DIODE RU-3AM		R913	1-215-871-11	METAL OXIDE 2.2K 5%	1W F
D925	8-719-109-75	DIODE RD4.3ES-B2		R914	1-249-429-11	CARBON 10K 5%	1/4W
D926	8-719-300-33	DIODE RU-3AM		R915	1-215-871-11	METAL OXIDE 2.2K 5%	1W F
D927	8-719-300-33	DIODE RU-3AM		R916	1-216-431-11	METAL OXIDE 560 5%	1W F
D928	8-719-300-33	DIODE RU-3AM		R917	1-215-872-11	METAL OXIDE 3.3K 5%	1W F
D929	8-719-110-36	DIODE RD13ES-B2		R918	1-249-441-11	CARBON 100K 5%	1/4W
D930	8-719-110-36	DIODE RD13ES-B2		R919	1-247-700-11	CARBON 100 5%	1/4W F
D931	8-719-302-92	DIODE RB-151LFB		R920	1-215-469-00	METAL 100K 1%	1/6W
D932	8-719-302-92	DIODE RB-151LFB		R921	1-215-451-00	METAL 18K 1%	1/6W
D933	8-719-911-55	DIODE U05G		R922	1-215-451-00	METAL 18K 1%	1/6W
D934	8-719-300-33	DIODE RU-3AM		R923	1-214-780-00	METAL 130K 1%	1/4W
D935	8-719-300-33	DIODE RU-3AM					

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R924	1-202-842-11	SOLID	220K 10% 1/2W	C719	1-124-798-11	ELECT	1MF 20% 160V
R925	1-215-449-00	METAL	15K 1% 1/6W	C720	1-124-798-11	ELECT	1MF 20% 160V
R926	1-215-469-00	METAL	100K 1% 1/6W	C721	1-162-114-00	CERAMIC	0.0047MF 2KV
R927	1-249-474-11	CARBON	5% 1/2W F	C722	1-123-024-21	ELECT	33MF 160V
R928 Δ	1-217-288-11	WIREWOUND	10% 5W F	C723	1-162-114-00	CERAMIC	0.0047MF 2KV
R929	1-249-470-11	CARBON	0.47 5% 1/2W F	C726	1-164-089-11	CERAMIC	0.0022MF 50V
R930	1-249-437-11	CARBON	47K 5% 1/4W	C727	1-106-395-00	MYLAR	0.15MF 10% 200V
R931	1-249-421-11	CARBON	2.2K 5% 1/4W	C729	1-124-478-11	ELECT	100MF 20% 25V
R932	1-249-425-11	CARBON	4.7K 5% 1/4W	C730	1-162-116-00	CERAMIC	680PF 10% 2KV
R933	1-249-423-11	CARBON	3.3K 5% 1/4W	<COMPOSITION CIRCUIT BLOCK>			
R941	1-247-289-00	CARBON	8.2M 5% 1W	CP702	1-232-096-00	COMPOSITION CIRCUIT BLOCK	
R942	1-249-395-11	CARBON	15 5% 1/4W F	<DIODE>			
<RELAY>				D701	8-719-901-83	DIODE 1SS83	
RY901 Δ	1-515-738-11	RELAY		D702	8-719-901-83	DIODE 1SS83	
<TRANSFORMER>				D703	8-719-901-83	DIODE 1SS83	
T901 Δ	1-421-704-11	CDT		D704	8-719-901-83	DIODE 1SS83	
T902	1-421-886-11	PIT		D705	8-719-901-83	DIODE 1SS83	
T903	1-421-889-11	PRT		D706	8-719-901-83	DIODE 1SS83	
T904	1-421-889-11	PRT		D707	8-719-901-83	DIODE 1SS83	
T905	1-421-888-11	PRT		D708	8-719-901-83	DIODE 1SS83	
T906	1-421-885-11	COT		D709	8-719-901-83	DIODE 1SS83	
T907	1-421-887-11	PHT		D712	8-719-110-06	DIODE RD8.2ES-B1	
T908 Δ	1-421-776-11	LFT		D713	8-719-901-83	DIODE 1SS83	
<THERMISTOR>				<IC>			
TH901 Δ	1-800-820-12	THERMISTOR, POWER		IC701	8-752-039-40	IC CXA1044BP	
TH901A	1-808-059-31	THERMISTOR, POSITIVE		IC702	8-749-921-15	IC VPM03F	

*A-1331-040-A	C BOARD, COMPLETE			<COIL>			

*1-506-371-00	PIN, CONNECTOR 2P			L701	1-410-459-11	INDUCTOR	1.2UH
*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P			L702	1-410-459-11	INDUCTOR	1.2UH
*1-508-767-00	PIN, CONNECTOR (5MM PITCH) 5P			L703	1-410-459-11	INDUCTOR	1.2UH
Δ 1-526-819-11	SOCKET, PICTURE TUBE			L704	1-410-675-31	INDUCTOR	120UH
*1-564-509-11	PLUG, CONNECTOR 6P			L706	1-408-420-00	INDUCTOR	82UH
*1-564-513-11	PLUG, CONNECTOR 10P			<RESISTOR>			
<CAPACITOR>				R700	1-247-887-00	CARBON	220K 5% 1/4W
C701	1-124-791-11	ELECT	1MF 20% 50V	R701	1-249-437-11	CARBON	47K 5% 1/4W
C702	1-106-367-00	MYLAR	0.01MF 10% 100V	R702	1-249-437-11	CARBON	47K 5% 1/4W
C703	1-106-367-00	MYLAR	0.01MF 10% 100V	R703	1-249-417-11	CARBON	1K 5% 1/4W
C704	1-106-367-00	MYLAR	0.01MF 10% 100V	R704	1-249-405-11	CARBON	100 5% 1/4W
C705	1-124-791-11	ELECT	1MF 20% 50V	R705	1-249-413-11	CARBON	470 5% 1/4W
C706	1-164-097-11	CERAMIC	0.022MF 50V	R706	1-249-417-11	CARBON	1K 5% 1/4W
C707	1-124-910-11	ELECT	47MF 20% 50V	R707	1-249-401-11	CARBON	47 5% 1/4W
C708	1-164-070-11	CERAMIC	100PF 5% 50V	R708	1-249-401-11	CARBON	47 5% 1/4W
C709	1-164-070-11	CERAMIC	100PF 5% 50V	R709	1-249-401-11	CARBON	47 5% 1/4W
C710	1-164-070-11	CERAMIC	100PF 5% 50V	R710	1-249-405-11	CARBON	100 5% 1/4W
C711	1-123-948-00	ELECT	22MF 20% 250V	R711	1-249-413-11	CARBON	470 5% 1/4W
C712	1-106-391-12	MYLAR	0.1MF 10% 200V	R712	1-249-413-11	CARBON	470 5% 1/4W
C713	1-106-391-12	MYLAR	0.1MF 10% 200V	R713	1-249-413-11	CARBON	470 5% 1/4W
C714	1-106-391-12	MYLAR	0.1MF 10% 200V	R714	1-249-402-11	CARBON	56 5% 1/4W
C715	1-124-667-11	ELECT	10MF 20% 100V	R715	1-249-402-11	CARBON	56 5% 1/4W
C716	1-124-667-11	ELECT	10MF 20% 100V	R716	1-249-402-11	CARBON	56 5% 1/4W
C717	1-124-667-11	ELECT	10MF 20% 100V	R717	1-247-903-00	CARBON	1M 5% 1/4W
C718	1-124-798-11	ELECT	1MF 20% 160V	R718	1-247-903-00	CARBON	1M 5% 1/4W
				R719	1-247-903-00	CARBON	1M 5% 1/4W

C

D1

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R720	1-249-417-11	CARBON 1K 5% 1/4W		C505	1-124-477-11	ELECT 47MF 20% 16V	
R721	1-249-417-11	CARBON 1K 5% 1/4W		C506	1-161-830-00	CERAMIC 0.0047MF 500V	
R722	1-249-417-11	CARBON 1K 5% 1/4W		C507	1-126-101-11	ELECT 100MF 20% 16V	
R723	1-215-873-00	METAL OXIDE 4.7K 5% 1W F		C508	1-106-391-12	MYLAR 0.1MF 10% 200V	
R724	1-215-873-00	METAL OXIDE 4.7K 5% 1W F		C509	1-124-634-11	ELECT 1MF 20% 250V	
R725	1-215-873-00	METAL OXIDE 4.7K 5% 1W F		C510	1-123-379-00	ELECT 0.47MF 20% 50V	
R729	1-249-417-11	CARBON 1K 5% 1/4W		C511	1-136-541-11	FILM 1.5MF 5% 200V	
R730	1-249-417-11	CARBON 1K 5% 1/4W		C512	1-106-365-00	MYLAR 0.0082MF 200V	
R731	1-249-401-11	CARBON 1K 5% 1/4W		C513	1-136-627-11	FILM 0.022MF 3% 1KV	
R732	1-247-695-11	SOLID 22 5% 1/4W		C514	1-136-569-11	FILM 1.2MF 5% 200V	
R733	1-247-695-11	SOLID 22 5% 1/4W		C515 Δ	1-130-336-51	FILM 0.0068MF 5% 630V	
R734	1-247-695-11	SOLID 22 5% 1/4W		C516	1-102-129-00	CERAMIC 0.01MF 10% 50V	
R735	1-202-838-00	SOLID 100K 10% 1/2W		C517	1-126-233-11	ELECT 22MF 20% 50V	
R736	1-249-401-11	CARBON 47 5% 1/4W		C518	1-136-598-11	FILM 3MF 5% 200V	
R737	1-249-401-11	CARBON 47 5% 1/4W		C519	1-126-234-11	ELECT 2200MF 20% 16V	
R738	1-249-401-11	CARBON 47 5% 1/4W		C520	1-106-383-00	MYLAR 0.047MF 200V	
R739	1-249-434-11	CARBON 27K 5% 1/4W		C521	1-123-875-11	ELECT 10MF 20% 50V	
R740	1-249-433-11	CARBON 22K 5% 1/4W		C522	1-124-927-11	ELECT 4.7MF 20% 50V	
R741	1-249-429-11	CARBON 10K 5% 1/4W		C523	1-124-477-11	ELECT 47MF 20% 16V	
R742	1-249-417-11	CARBON 1K 5% 1/4W		C524	1-162-114-00	CERAMIC 0.0047MF 2KV	
R743	1-249-413-11	CARBON 470 5% 1/4W		C525	1-108-965-11	MYLAR 0.33MF 10% 200V	
R744	1-249-423-11	CARBON 3.3K 5% 1/4W		C526	1-123-949-00	ELECT 33MF 20% 250V	
R745	1-249-423-11	CARBON 3.3K 5% 1/4W		C527	1-136-569-11	FILM 1.2MF 5% 200V	
R746	1-249-423-11	CARBON 3.3K 5% 1/4W		C528	1-102-978-00	CERAMIC 220PF 5% 50V	
<VARIABLE RESISTOR>				C529	1-124-562-11	ELECT 47MF 20% 160V	
RV700	1-228-996-00	RES, ADJ, CARBON 47K		C530	1-102-129-00	CERAMIC 0.01MF 10% 50V	
RV701	1-228-993-00	RES, ADJ, CARBON 4.7K		C531	1-129-702-00	FILM 0.001MF 10% 630V	
RV702	1-230-504-11	RES, ADJ, CARBON 220		C532	1-126-105-11	ELECT 1000MF 20% 35V	
RV703	1-230-504-11	RES, ADJ, CARBON 220		C533	1-126-101-11	ELECT 100MF 20% 16V	
RV704	1-230-504-11	RES, ADJ, CARBON 220		C534	1-129-702-00	FILM 0.001MF 10% 630V	
RV705	1-224-252-99	RES, ADJ, METAL GLAZE 10K		C535	1-124-347-00	ELECT 100MF 20% 160V	
RV706	1-224-252-99	RES, ADJ, METAL GLAZE 10K		C536	1-136-598-11	FILM 3MF 5% 200V	
RV707	1-224-252-99	RES, ADJ, METAL GLAZE 10K		C537	1-124-120-11	ELECT 220MF 20% 16V	
RV708	1-230-798-11	RES, ADJ, METAL GLAZE 90M		C538	1-162-116-00	CERAMIC 680PF 10% 2KV	
RV709	1-228-993-00	RES, ADJ, CARBON 4.7K		C539	1-108-688-11	MYLAR 0.0047MF 10% 200V	
RV710	1-228-990-00	RES, ADJ, CARBON 1K		C540 Δ	1-162-115-91	CERAMIC 330PF 10% 2KV	
RV711	1-228-990-00	RES, ADJ, CARBON 1K		C541	1-106-367-00	MYLAR 0.01MF 10% 100V	
*****				C542	1-102-038-00	CERAMIC 0.001MF 500V	
*A-1345-900-A	D1 BOARD, COMPLETE			C543	1-136-853-11	FILM 0.56MF 5% 200V	
*****				C544	1-106-355-12	MYLAR 0.0033MF 10% 100V	
*1-508-767-00	PIN, CONNECTOR (5MM PITCH) 5P			C545	1-124-799-11	ELECT 2.2MF 20% 160V	
*1-564-506-11	PLUG, CONNECTOR 3P			C546	1-102-038-00	CERAMIC 0.001MF 500V	
*1-564-513-11	PLUG, CONNECTOR 10P			C547	1-129-722-00	FILM 0.047MF 5% 630V	
*1-564-516-11	PLUG, CONNECTOR 13P			C548	1-106-359-00	MYLAR 0.0047MF 10% 100V	
*1-564-674-11	PIN, CONNECTOR 8P			C549	1-106-343-00	MYLAR 0.001MF 10% 100V	
*1-568-536-11	PLUG (MINIATURE DY) 6P			C550	1-162-117-00	CERAMIC 100PF 10% 500V	
*4-341-751-01	BYELET (BY4, BY5, BY6, BY7, BY8, BY9, BY10, BY11, BY12, BY13, BY14, BY15, BY16, BY17, BY18, BY19, BY20, BY21, BY22, BY23, BY24, BY25, BY26, BY27, BY28, BY29, BY30, BY31, BY32, BY33, BY34, BY35, BY36)			C551	1-123-875-11	ELECT 10MF 20% 50V	
*4-341-752-01	BYELET (BY1, BY2, BY3)			C552	1-129-723-00	FILM 0.056MF 5% 630V	
*4-381-827-01	HOLDER, TR			C553 Δ	1-108-429-91	MYLAR 0.047MF 200V	
*4-382-854-01	SCREW (M3X8), P, SW (+)			C554	1-106-363-00	MYLAR 0.0068MF 10% 100V	
<CAPACITOR>				C555	1-136-071-00	FILM 0.0057MF 3% 2KV	
C501	1-123-024-21	ELECT 33MF 160V		C556	1-124-477-11	ELECT 47MF 20% 16V	
C502	1-124-902-00	ELECT 0.47MF 20% 50V		C557	1-124-667-11	ELECT 10MF 20% 100V	
C503	1-124-119-00	ELECT 330MF 20% 16V		C558	1-106-367-00	MYLAR 0.01MF 10% 100V	
C504	1-124-484-11	ELECT 220MF 20% 35V		C559	1-124-045-00	ELECT 4.7MF 20% 50V	
				C560	1-106-367-00	MYLAR 0.01MF 10% 100V	
				C561 Δ	1-162-134-91	CERAMIC 470PF 10% 2KV	
				C562	1-136-173-00	FILM 0.47MF 5% 50V	
				C563	1-106-367-00	MYLAR 0.01MF 10% 100V	
				C564	1-162-115-00	CERAMIC 330PF 10% 2KV	
				C565	1-162-115-00	CERAMIC 330PF 10% 2KV	
				C566	1-102-121-00	CERAMIC 0.0022MF 10% 50V	
				C567	1-162-288-31	CERAMIC 330PF 10% 50V	

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D1

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C568	1-162-115-00	CERAMIC 330PF 10% 2KV		Q507	8-729-140-96	TRANSISTOR 2SD774-34	
	<DIODE>			Q508	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D505	8-719-971-20	DIODE ERC38-06		Q509	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D506	8-719-911-19	DIODE ISS119		Q510	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D507	8-719-976-64	DIODE RGP02-17		Q511	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D508	8-719-109-93	DIODE RD6.2ES-B2		Q512	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D509	8-719-911-55	DIODE U05G		Q513	8-729-805-07	TRANSISTOR 2SD1887-CA	
				Q514	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D510	8-719-976-64	DIODE RGP02-17		Q515	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D511	8-719-911-19	DIODE ISS119		Q516	8-729-140-96	TRANSISTOR 2SD774-34	
D512	8-719-110-48	DIODE RD18ES B1		Q517	8-729-140-97	TRANSISTOR 2SB734-34	
D513	8-719-973-95	DIODE ERD09-15		Q518	8-729-900-80	TRANSISTOR DTC114ES	
D514	8-719-971-20	DIODE ERC38-06		Q519	8-729-119-78	TRANSISTOR 2SC2785-HFE	
				Q520	8-729-900-36	TRANSISTOR DTC124ES	
D515	8-719-973-95	DIODE ERD09-15		Q521	8-729-803-82	TRANSISTOR 2SC3468-E	
D516	8-719-911-55	DIODE U05G		Q522	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D517	8-719-911-19	DIODE ISS119		Q523	8-729-401-18	TRANSISTOR 2SB940-P	
D518	8-719-971-20	DIODE ERC38-06		Q524	8-729-401-21	TRANSISTOR 2SD1264-P	
D519	8-719-302-59	DIODE FMU-26S		Q525	8-729-900-36	TRANSISTOR DTC124ES	
				Q526	8-729-107-26	TRANSISTOR 2SD1585-K	
D520	8-719-911-19	DIODE ISS119		Q527	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D521	8-719-911-19	DIODE ISS119			<RESISTOR>		
D522	8-719-971-20	DIODE ERC38-06		R500	1-202-820-11	SOLID 1.5K 10% 1/2W	
D523	8-719-911-19	DIODE ISS119		R501	1-249-425-11	CARBON 4.7K 5% 1/4W	
D524	8-719-911-19	DIODE ISS119		R502	1-249-437-11	CARBON 47K 5% 1/4W	
D525	8-719-300-76	DIODE RH-1A		R503	1-249-428-11	CARBON 8.2K 5% 1/4W	
D526	8-719-911-55	DIODE U05G		R504	1-249-431-11	CARBON 15K 5% 1/4W	
D527	8-719-300-76	DIODE RH-1A		R505	1-247-725-11	CARBON 10K 5% 1/4W	
D528	8-719-911-19	DIODE ISS119		R506	1-249-427-11	CARBON 6.8K 5% 1/4W	
D529	8-719-911-19	DIODE ISS119		R507	1-249-426-11	CARBON 5.6K 5% 1/4W	
	<IC>			R508	1-249-409-11	CARBON 220 5% 1/4W	
IC501	8-759-982-26	IC RC78L12A		R509	1-247-719-11	CARBON 3.3K 5% 1/4W	
IC502	8-759-014-95	IC MC1495L		R510	1-249-429-11	CARBON 10K 5% 1/4W	
IC503	8-759-981-95	IC RC4558S		R511	1-249-429-11	CARBON 10K 5% 1/4W	
	<COIL>			R512	1-216-430-11	METAL OXIDE 390 5% 1W F	
L501	1-459-215-00	CORE COIL		R513	1-249-431-11	CARBON 15K 5% 1/4W	
L502	1-421-421-00	COIL, CHOKE 100UH		R514	1-249-440-11	CARBON 82K 5% 1/4W	
L503	Δ 1-459-671-11	COIL (WITH CORE)		R515	1-216-450-00	METAL OXIDE 82 5% 2W F	
L504	Δ 1-459-670-12	H.L.I.C.		R516	1-249-417-11	CARBON 1K 5% 1/4W	
L505	1-459-104-00	COIL, DUST CORE		R517	1-216-425-11	METAL OXIDE 56 5% 1W F	
L506	1-408-239-00	INDUCTOR 4.7MMH		R518	1-249-425-11	CARBON 4.7K 5% 1/4W	
L507	1-408-092-00	INDUCTOR 330UH		R519	1-249-406-11	CARBON 120 5% 1/4W	
L508	1-422-613-11	COIL, AIR CORE		R520	1-215-886-11	METAL OXIDE 100 5% 2W F	
L509	1-459-215-00	CORE COIL		R521	1-249-433-11	CARBON 22K 5% 1/4W	
L510	1-459-454-00	COIL, FERRITE CHOKE		R522	1-249-429-11	CARBON 10K 5% 1/4W	
L511	1-421-329-00	COIL, CHOKE		R523	1-216-422-11	METAL OXIDE 18 5% 1W F	
L512	1-459-123-00	COIL, DUST CORE(PAC)		R524	1-249-427-11	CARBON 6.8K 5% 1/4W	
L513	1-408-072-00	INDUCTOR 47UH		R525	1-249-429-11	CARBON 10K 5% 1/4W	
	<NEON LAMP>			R526	1-249-429-11	CARBON 10K 5% 1/4W	
NL502	1-519-108-99	LAMP, NEON		R527	1-249-433-11	CARBON 22K 5% 1/4W	
	<TRANSISTOR>			R528	1-249-434-11	CARBON 27K 5% 1/4W	
Q501	8-729-900-89	TRANSISTOR DTC144ES		R529	1-249-406-11	CARBON 120 5% 1/4W	
Q502	8-729-119-78	TRANSISTOR 2SC2785-HFE		R530	1-202-719-00	SOLID 1M 10% 1/2W	
Q503	8-729-119-78	TRANSISTOR 2SC2785-HFE		R531	1-215-863-11	METAL OXIDE 100 5% 1W F	
Q504	8-729-140-97	TRANSISTOR 2SB734-34		R532	1-249-432-11	CARBON 18K 5% 1/4W	
Q505	8-729-140-96	TRANSISTOR 2SD774-34		R533	1-249-417-11	CARBON 1K 5% 1/4W	
Q506	8-729-900-89	TRANSISTOR DTC144ES		R534	1-249-432-11	CARBON 18K 5% 1/4W	
				R535	1-249-429-11	CARBON 10K 5% 1/4W	
				R536	1-202-849-00	SOLID 820K 10% 1/2W	
				R537	1-216-353-00	METAL OXIDE 2.2 5% 1W F	
				R538	1-216-353-00	METAL OXIDE 2.2 5% 1W F	
				R539	1-249-427-11	CARBON 6.8K 5% 1/4W	

The components identified by shading and mark **A** are critical for safety.

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Ne les remplacer que par une
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REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R540	1-249-414-11	CARBON	560	5%	1/4W	R604	1-249-425-11	CARBON	4.7K	5%	1/4W
R541	1-202-719-00	SOLID	1M	10%	1/2W						
R542	1-249-422-11	CARBON	2.7K	5%	1/4W	R605	1-247-713-11	CARBON	1K	5%	1/4W
R543	1-249-438-11	CARBON	56K	5%	1/4W	R606	1-216-398-11	METAL OXIDE	5.6	5%	3W F
R544	1-249-419-11	CARBON	1.5K	5%	1/4W	R607	1-216-398-11	METAL OXIDE	5.6	5%	3W F
						R608	1-249-425-11	CARBON	4.7K	5%	1/4W
R545	1-249-429-11	CARBON	10K	5%	1/4W	R609	1-249-429-11	CARBON	10K	5%	1/4W
R546	1-216-349-00	METAL OXIDE	1	5%	1W F						
R547	1-249-429-11	CARBON	10K	5%	1/4W	R611	1-216-399-00	METAL OXIDE	6.8	5%	3W F
R548	1-249-440-11	CARBON	82K	5%	1/4W	R612	1-216-455-11	METAL OXIDE	560	5%	2W F
R549	1-216-428-00	METAL OXIDE	180	5%	1W F						
R550	1-249-424-11	CARBON	3.9K	5%	1/4W						
R551	1-215-882-00	METAL OXIDE	22	5%	2W F						
R552	1-249-441-11	CARBON	100K	5%	1/4W						
R553	1-216-371-00	METAL OXIDE	1.5	5%	2W F						
R554	1-249-429-11	CARBON	10K	5%	1/4W						
R555	1-249-431-11	CARBON	15K	5%	1/4W						
R556	1-214-780-00	METAL	240K	1%	1/4W						
R557	1-249-429-11	CARBON	10K	5%	1/4W						
R558	1-214-925-00	CARBON	330K	5%	1/2W						
R559	1-213-074-51	FUSIBLE	39	5%	1W F						
R560	1-216-369-00	METAL OXIDE	1	5%	2W F						
R561	1-249-429-11	CARBON	10K	5%	1/4W						
R562	1-249-440-11	CARBON	82K	5%	1/4W						
R563	1-249-387-11	CARBON	3.3	5%	1/4W F						
R564	1-249-429-11	CARBON	10K	5%	1/4W						
R565	1-247-721-11	CARBON	4.7K	5%	1/4W						
R566	1-247-720-11	CARBON	3.9K	5%	1/4W						
R567	1-215-892-11	METAL OXIDE	1K	5%	2W F						
R568	1-247-883-00	CARBON	150K	5%	1/4W						
R569	1-216-454-11	METAL OXIDE	390	5%	2W F						
R570	1-215-890-11	METAL OXIDE	470	5%	2W F						
R571	1-202-841-00	SOLID	180K	10%	1/2W						
R572	1-202-842-11	SOLID	220K	10%	1/2W						
R573	1-247-881-00	CARBON	120K	5%	1/4W						
R574	1-249-405-11	CARBON	100	5%	1/4W						
R575	1-249-467-11	CARBON	68K	5%	1/4W						
R576	1-249-417-11	CARBON	1K	5%	1/4W						
R577	1-249-465-11	CARBON	47K	5%	1/4W						
R578	1-249-441-11	CARBON	100K	5%	1/4W						
R579	1-247-891-00	CARBON	330K	5%	1/4W						
R580	1-249-429-11	CARBON	10K	5%	1/4W						
R581	1-249-435-11	CARBON	33K	5%	1/4W						
R582	1-249-429-11	CARBON	10K	5%	1/4W						
R583	1-249-417-11	CARBON	1K	5%	1/4W						
R584	1-249-409-11	CARBON	220	5%	1/4W						
R585	1-249-401-11	CARBON	47	5%	1/4W F						
R586	1-202-818-00	SOLID	1K	10%	1/2W						
R587	1-215-894-11	METAL OXIDE	2.2K	5%	2W F						
R588	1-249-429-11	CARBON	10K	5%	1/4W						
R589	1-249-417-11	CARBON	1K	5%	1/4W F						
R590	1-249-417-11	CARBON	1K	5%	1/4W						
R591	1-249-393-11	CARBON	10	5%	1/4W F						
R592	1-215-874-11	METAL OXIDE	6.8K	5%	1W F						
R593	1-249-427-11	CARBON	6.8K	5%	1/4W						
R594	1-215-921-11	METAL OXIDE	4.7K	5%	3W F						
R595	1-216-436-00	METAL OXIDE	3.9K	5%	1W F						
R596	1-249-463-11	CARBON	27K	5%	1/4W						
R597	1-249-417-11	CARBON	1K	5%	1/4W						
R598	1-249-439-11	CARBON	68K	5%	1/4W						
R599	1-249-416-11	CARBON	820	5%	1/4W						
R600	1-216-350-11	METAL OXIDE	1.2	5%	1W F						
R601	1-216-350-11	METAL OXIDE	1.2	5%	1W F						
R602	1-247-714-11	CARBON	1.2K	5%	1/4W						
R603	1-249-413-11	CARBON	470	5%	1/4W						

D2

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
C1515	1-123-875-11	ELECT	10MF 20% 50V	C1579	1-126-101-11	ELECT 100MF 20% 16V	
C1516	1-123-875-11	ELECT	10MF 20% 50V	C1580	1-164-097-11	CERAMIC 0.022MF 50V	
C1517	1-123-875-11	ELECT	10MF 20% 50V	C1581	1-126-103-11	ELECT 470MF 20% 16V	
C1518	1-126-101-11	ELECT	100MF 20% 16V	C1582	1-124-120-11	ELECT 220MF 20% 16V	
C1519	1-124-927-11	ELECT	4.7MF 20% 50V	C1583	1-162-293-31	CERAMIC 820PF 10% 50V	
C1520	1-164-081-11	CERAMIC	470PF 10% 50V	C1584	1-162-293-31	CERAMIC 820PF 10% 50V	
C1521	1-164-097-11	CERAMIC	0.022MF 50V	<DIODE>			
C1522	1-124-902-00	ELECT	0.47MF 20% 50V	D1501	8-719-911-19	DIODE 1SS119	
C1523	1-124-477-11	ELECT	47MF 20% 16V	D1502	8-719-109-97	DIODE RD6.8ES-B2	
C1524	1-164-097-11	CERAMIC	0.022MF 50V	D1503	8-719-110-08	DIODE RD8.2ES-B2	
C1525	1-106-369-00	MYLAR	0.012MF 10% 100V	D1504	8-719-109-68	DIODE RD3.6ES-B1	
C1526	1-136-159-00	FILM	0.033MF 5% 50V	D1505	8-719-911-19	DIODE 1SS119	
C1527	1-130-483-00	MYLAR	0.01MF 5% 50V	D1506	8-719-110-13	DIODE RD9.1ES-B2	
C1528	1-124-499-11	ELECT	1MF 20% 50V	D1507	8-719-911-19	DIODE 1SS119	
C1529	1-126-103-11	ELECT	470MF 20% 16V	D1508	8-719-911-19	DIODE 1SS119	
C1530	1-124-477-11	ELECT	47MF 20% 16V	D1509	8-719-110-22	DIODE RD11ES-B2	
C1531	1-136-173-00	FILM	0.47MF 5% 50V	D1510	8-719-109-93	DIODE RD6.2ES-B2	
C1532	1-124-791-11	ELECT	1MF 20% 50V	D1511	8-719-110-18	DIODE RD10ES-B3	
C1533	1-124-791-11	ELECT	1MF 20% 50V	D1512	8-719-109-69	DIODE RD3.6ES-B2	
C1534	1-126-101-11	ELECT	100MF 20% 16V	D1513	8-719-911-19	DIODE 1SS119	
C1535	1-108-622-11	MYLAR	0.0047MF 10% 100V	D1514	8-719-911-19	DIODE 1SS119	
C1536	1-124-927-11	ELECT	4.7MF 20% 50V	D1515	8-719-109-66	DIODE RD3.3ES-B2	
C1537	1-124-927-11	ELECT	4.7MF 20% 50V	D1516	8-719-110-13	DIODE RD9.1ES-B2	
C1538	1-102-129-00	CERAMIC	0.01MF 10% 50V	D1517	8-719-911-19	DIODE 1SS119	
C1539	1-124-927-11	ELECT	4.7MF 20% 50V	D1518	8-719-911-19	DIODE 1SS119	
C1540	1-106-375-12	MYLAR	0.022MF 10% 100V	D1519	8-719-911-19	DIODE 1SS119	
C1541	1-130-477-00	MYLAR	0.0033MF 5% 50V	D1520	8-719-911-19	DIODE 1SS119	
C1542	1-106-220-00	MYLAR	0.1MF 10% 100V	D1521	8-719-109-92	DIODE RD6.2ES-B1	
C1543	1-136-159-00	FILM	0.033MF 5% 50V	D1522	8-719-911-19	DIODE 1SS119	
C1544	1-102-129-00	CERAMIC	0.01MF 10% 50V	D1523	8-719-911-19	DIODE 1SS119	
C1545	1-124-791-11	ELECT	1MF 20% 50V	D1524	8-719-911-19	DIODE 1SS119	
C1546	1-124-499-11	ELECT	1MF 20% 50V	D1525	8-719-911-19	DIODE 1SS119	
C1547	1-124-927-11	ELECT	4.7MF 20% 50V	D1526	8-719-913-44	DIODE BBA82-004	
C1548	1-136-173-00	FILM	0.47MF 5% 50V	<IC>			
C1549	1-106-355-12	MYLAR	0.0033MF 10% 100V	IC1501	8-759-981-95	IC RC4558S	
C1550	1-124-927-11	ELECT	4.7MF 20% 50V	IC1502	8-759-981-95	IC RC4558S	
C1551	1-123-875-11	ELECT	10MF 20% 50V	IC1503	8-752-203-00	IC CX22030	
C1552	1-106-363-00	MYLAR	0.0068MF 10% 100V	IC1504	8-759-100-60	IC UPC1377C	
C1553	1-136-173-00	FILM	0.47MF 5% 50V	IC1505	8-759-045-38	IC MC14538BCP	
C1554	1-126-103-11	ELECT	470MF 20% 16V	IC1506	8-759-245-16	IC TC4516BP	
C1555	1-108-628-11	MYLAR	0.015MF 10% 100V	<COIL>			
C1556	1-164-079-11	CERAMIC	330PF 10% 50V	L1501	1-410-464-11	INDUCTOR 3.3UH	
C1557	1-129-793-00	FILM	0.047MF 5% 100V	L1502	1-408-080-00	INDUCTOR 100UH	
C1558	1-123-875-11	ELECT	10MF 20% 50V	L1503	1-408-420-00	INDUCTOR 82UH	
C1559	1-164-097-11	CERAMIC	0.022MF 50V	<IC LINK>			
C1560	1-124-925-11	ELECT	2.2MF 20% 50V	PS1501	1-532-679-00	LINK, IC	
C1561	1-102-816-00	CERAMIC	120PF 5% 50V	<TRANSISTOR>			
C1562	1-130-475-00	MYLAR	0.0022MF 10% 50V	Q1500	8-729-119-78	TRANSISTOR 2SC2785-HFE	
C1563	1-164-079-11	CERAMIC	330PF 10% 50V	Q1501	8-729-904-39	TRANSISTOR DTC114TS	
C1564	1-164-097-11	CERAMIC	0.022MF 50V	Q1502	8-729-119-78	TRANSISTOR 2SC2785-HFE	
C1565	1-108-622-11	MYLAR	0.0047MF 10% 100V	Q1503	8-729-904-39	TRANSISTOR DTC114TS	
C1566	1-124-791-11	ELECT	1MF 20% 50V	Q1504	8-729-119-76	TRANSISTOR 2SA1175-HFE	
C1567	1-106-375-12	MYLAR	0.022MF 10% 100V	Q1505	8-729-119-78	TRANSISTOR 2SC2785-HFE	
C1568	1-108-628-11	MYLAR	0.015MF 10% 100V				
C1569	1-126-101-11	ELECT	100MF 20% 16V				
C1570	1-124-902-00	ELECT	0.47MF 20% 50V				
C1571	1-124-791-11	ELECT	1MF 20% 50V				
C1572	1-124-791-11	ELECT	1MF 20% 50V				
C1573	1-126-233-11	ELECT	22MF 20% 50V				
C1574	1-126-233-11	ELECT	22MF 20% 50V				
C1575	1-126-233-11	ELECT	22MF 20% 50V				
C1576	1-123-875-11	ELECT	10MF 20% 50V				
C1577	1-124-477-11	ELECT	47MF 20% 16V				
C1578	1-123-875-11	ELECT	10MF 20% 50V				


The components identified by shading and mark  are critical for safety.


Replace only with part number specified.


Les composants identifiés par une trame et une marque  sont critiques pour la sécurité

Ne les remplacer que par une pièce portant le numéro spécifié.


REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
Q1506	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q1573	8-729-900-63	TRANSISTOR DTA124ES	
Q1507	8-729-900-89	TRANSISTOR DTC144ES		Q1574	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1508	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q1575	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q1509	8-729-119-76	TRANSISTOR 2SA1175-HFE		Q1576	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1510	8-729-904-39	TRANSISTOR DTC114TS		Q1579	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q1511	8-729-119-76	TRANSISTOR 2SA1175-HFE		Q1580	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1512	8-729-801-46	TRANSISTOR 2SC3064-F		Q1581	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q1514	8-729-119-76	TRANSISTOR 2SA1175-HFE		Q1582	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q1515	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q1583	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1516	8-729-119-76	TRANSISTOR 2SA1175-HFE		Q1584	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1517	8-729-119-76	TRANSISTOR 2SA1175-HFE		Q1585	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q1518	8-729-119-76	TRANSISTOR 2SA1175-HFE		Q1586	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q1519	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q1587	8-729-900-89	TRANSISTOR DTC144ES	
Q1520	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q1588	8-729-900-89	TRANSISTOR DTC144ES	
Q1521	8-729-119-76	TRANSISTOR 2SA1175-HFE		Q1589	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q1522	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q1591	8-729-900-89	TRANSISTOR DTC144ES	
Q1523	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q1592	8-729-900-89	TRANSISTOR DTC144ES	
Q1524	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q1593	8-729-900-89	TRANSISTOR DTC144ES	
Q1525	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q1526	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q1527	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q1528	8-729-374-02	TRANSISTOR 2SB740-3					
Q1529	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q1530	8-729-900-89	TRANSISTOR DTC144ES					
Q1531	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q1532	8-729-115-30	TRANSISTOR 2SK105A-30					
Q1533	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q1534	8-729-374-02	TRANSISTOR 2SB740-3					
Q1536	8-729-900-89	TRANSISTOR DTC144ES					
Q1537	8-729-900-89	TRANSISTOR DTC144ES					
Q1538	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q1539	8-729-904-39	TRANSISTOR DTC114TS					
Q1540	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q1541	8-729-115-30	TRANSISTOR 2SK105A-30					
Q1542	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q1543	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q1544	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q1545	8-729-119-76	TRANSISTOR 2SA1175-HFE					
Q1546	8-729-115-30	TRANSISTOR 2SK105A-30					
Q1547	8-729-900-36	TRANSISTOR DTC124ES					
Q1548	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q1549	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q1550	8-729-119-76	TRANSISTOR 2SA1175-HFE					
Q1551	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q1552	8-729-900-89	TRANSISTOR DTC144ES					
Q1553	8-729-374-02	TRANSISTOR 2SB740-3					
Q1554	8-729-119-76	TRANSISTOR 2SA1175-HFE					
Q1555	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q1556	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q1557	8-729-900-89	TRANSISTOR DTC144ES					
Q1558	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q1559	8-729-119-76	TRANSISTOR 2SA1175-HFE					
Q1560	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q1561	8-729-904-39	TRANSISTOR DTC114TS					
Q1562	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q1563	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q1564	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q1565	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q1566	8-729-900-65	TRANSISTOR DTA144ES					
Q1567	8-729-900-89	TRANSISTOR DTC144ES					
Q1568	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q1569	8-729-900-80	TRANSISTOR DTC114ES					
Q1570	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q1572	8-729-900-89	TRANSISTOR DTC144ES					

• The components identified by  in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

D2

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R1542	1-215-459-00	METAL	39K 1% 1/6W	R1605	1-215-449-00	METAL	15K 1% 1/6W
R1543	1-249-433-11	CARBON	22K 5% 1/4W	R1606	1-259-884-11	CARBON	4.7M 5% 1/4W
R1544	1-249-426-11	CARBON	5.6K 5% 1/4W	R1607	1-215-445-00	METAL	10K 1% 1/6W
R1545	1-249-431-11	CARBON	15K 5% 1/4W	R1608	1-215-451-00	METAL	18K 1% 1/6W
R1546	1-249-423-11	CARBON	3.3K 5% 1/4W	R1609	1-249-433-11	CARBON	22K 5% 1/4W
R1547	1-215-429-00	METAL	2.2K 1% 1/6W	R1610	1-249-405-11	CARBON	100 5% 1/4W
 R1548A	*1-506-371-00	PIN, CONNECTOR 2P; R1548	1/4W	R1611	1-249-427-11	CARBON	6.8K 5% 1/4W
R1549	1-247-887-00	CARBON	220K 5% 1/4W	R1612	1-249-433-11	CARBON	22K 5% 1/4W
R1550	1-249-433-11	CARBON	22K 5% 1/4W	R1613	1-249-437-11	CARBON	47K 5% 1/4W
R1551	1-249-435-11	CARBON	33K 5% 1/4W	R1614	1-249-417-11	CARBON	1K 5% 1/4W
R1552	1-215-445-00	METAL	10K 1% 1/6W	R1615	1-249-433-11	CARBON	22K 5% 1/4W
R1553	1-249-429-11	CARBON	10K 5% 1/4W	R1616	1-215-471-00	METAL	120K 1% 1/6W
R1554	1-249-426-11	CARBON	5.6K 5% 1/4W	R1617	1-249-411-11	CARBON	330 5% 1/4W
R1555	1-249-433-11	CARBON	22K 5% 1/4W	R1618	1-249-429-11	CARBON	10K 5% 1/4W
R1556	1-216-471-11	METAL OXIDE	27 5% 3W F	R1619	1-249-437-11	CARBON	47K 5% 1/4W
R1557	1-249-425-11	CARBON	4.7K 5% 1/4W	R1620	1-249-417-11	CARBON	1K 5% 1/4W
R1558	1-249-417-11	CARBON	1K 5% 1/4W	R1621	1-249-417-11	CARBON	1K 5% 1/4W
R1559	1-249-429-11	CARBON	10K 5% 1/4W	R1622	1-215-459-00	METAL	39K 1% 1/6W
R1560	1-249-435-11	CARBON	33K 5% 1/4W	R1623	1-215-445-00	METAL	10K 1% 1/6W
R1561	1-249-421-11	CARBON	2.2K 5% 1/4W	R1624	1-249-417-11	CARBON	1K 5% 1/4W
R1562	1-249-429-11	CARBON	10K 5% 1/4W	R1625	1-215-466-00	METAL	75K 1% 1/6W
R1563	1-249-429-11	CARBON	10K 5% 1/4W	R1626	1-215-488-00	METAL	620K 1% 1/6W
R1564	1-249-429-11	CARBON	10K 5% 1/4W	R1628	1-249-435-11	CARBON	33K 5% 1/4W
R1565	1-215-437-00	METAL	4.7K 1% 1/6W	R1629	1-249-435-11	CARBON	33K 5% 1/4W
R1566	1-249-433-11	CARBON	22K 5% 1/4W	R1630	1-249-417-11	CARBON	1K 5% 1/4W
R1567	1-249-423-11	CARBON	3.3K 5% 1/4W	R1631	1-249-427-11	CARBON	6.8K 5% 1/4W
R1568	1-215-439-00	METAL	5.6K 1% 1/6W	R1632	1-249-433-11	CARBON	22K 5% 1/4W
R1569	1-247-889-00	CARBON	270K 5% 1/4W	R1633	1-249-417-11	CARBON	1K 5% 1/4W
R1570	1-215-429-00	METAL	2.2K 1% 1/6W	R1634	1-249-435-11	CARBON	33K 5% 1/4W
R1571	1-215-409-00	METAL	330 1% 1/6W	R1635	1-249-423-11	CARBON	3.3K 5% 1/4W
R1572	1-249-423-11	CARBON	3.3K 5% 1/4W	R1636	1-249-429-11	CARBON	10K 5% 1/4W
R1573	1-247-874-11	CARBON	62K 5% 1/4W	R1637	1-249-419-11	CARBON	1.5K 5% 1/4W
R1574	1-249-429-11	CARBON	10K 5% 1/4W	R1638	1-249-422-11	CARBON	2.7K 5% 1/4W
R1575	1-249-433-11	CARBON	22K 5% 1/4W	R1639	1-249-437-11	CARBON	47K 5% 1/4W
R1576	1-249-437-11	CARBON	47K 5% 1/4W	R1640	1-249-433-11	CARBON	22K 5% 1/4W
R1577	1-247-713-11	CARBON	1K 5% 1/4W	R1641	1-249-429-11	CARBON	10K 5% 1/4W
R1578	1-249-425-11	CARBON	4.7K 5% 1/4W	R1642	1-249-421-11	CARBON	2.2K 5% 1/4W
R1579	1-247-885-00	CARBON	180K 5% 1/4W	R1643	1-214-753-00	METAL	10K 1% 1/4W
R1580	1-249-430-11	CARBON	12K 5% 1/4W	R1644	1-249-412-11	CARBON	390 5% 1/4W
R1581	1-215-429-00	METAL	2.2K 1% 1/6W	R1645	1-249-429-11	CARBON	10K 5% 1/4W
R1582	1-215-428-00	METAL	2K 1% 1/6W	R1646	1-249-433-11	CARBON	22K 5% 1/4W
R1583	1-249-437-11	CARBON	47K 5% 1/4W	R1647	1-249-417-11	CARBON	1K 5% 1/4W
R1584	1-249-437-11	CARBON	47K 5% 1/4W	R1648	1-249-435-11	CARBON	33K 5% 1/4W
R1585	1-249-440-11	CARBON	82K 5% 1/4W	R1649	1-249-427-11	CARBON	6.8K 5% 1/4W
R1586	1-215-411-00	METAL	390 1% 1/6W	R1650	1-249-429-11	CARBON	10K 5% 1/4W
R1587	1-247-723-11	CARBON	6.8K 5% 1/4W	R1651	1-249-411-11	CARBON	330 5% 1/4W
R1588	1-249-441-11	CARBON	100K 5% 1/4W	R1652	1-249-437-11	CARBON	47K 5% 1/4W
R1589	1-247-903-00	CARBON	1M 5% 1/4W	R1653	1-249-421-11	CARBON	2.2K 5% 1/4W
R1590	1-215-445-00	METAL	10K 1% 1/6W	R1654	1-249-426-11	CARBON	5.6K 5% 1/4W
R1591	1-247-891-00	CARBON	330K 5% 1/4W	R1655	1-249-428-11	CARBON	8.2K 5% 1/4W
R1592	1-215-433-00	METAL	3.3K 1% 1/6W	R1656	1-249-429-11	CARBON	10K 5% 1/4W
R1593	1-247-893-11	CARBON	390K 5% 1/4W	R1657	1-249-437-11	CARBON	47K 5% 1/4W
R1594	1-249-441-11	CARBON	100K 5% 1/4W	R1658	1-247-723-11	CARBON	6.8K 5% 1/4W
R1595	1-249-429-11	CARBON	10K 5% 1/4W	R1659	1-249-440-11	CARBON	82K 5% 1/4W
R1596	1-259-878-11	CARBON	1.5M 5% 1/4W	R1660	1-249-421-11	CARBON	2.2K 5% 1/4W
R1597	1-215-483-00	METAL	390K 1% 1/6W	R1661	1-249-406-11	CARBON	120 5% 1/4W
R1598	1-249-424-11	CARBON	3.9K 5% 1/4W	R1662	1-249-425-11	CARBON	4.7K 5% 1/4W
R1599	1-249-435-11	CARBON	33K 5% 1/4W	R1663	1-249-428-11	CARBON	8.2K 5% 1/4W
R1600	1-249-427-11	CARBON	6.8K 5% 1/4W	R1664	1-249-439-11	CARBON	68K 5% 1/4W
R1601	1-249-429-11	CARBON	10K 5% 1/4W	R1665	1-249-439-11	CARBON	68K 5% 1/4W
R1602	1-249-423-11	CARBON	3.3K 5% 1/4W	R1666	1-249-433-11	CARBON	22K 5% 1/4W
R1603	1-249-424-11	CARBON	3.9K 5% 1/4W	R1667	1-249-429-11	CARBON	10K 5% 1/4W
R1604	1-249-441-11	CARBON	100K 5% 1/4W	R1668	1-249-429-11	CARBON	10K 5% 1/4W

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- The components identified by ■ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- ✖ : Selected to yield optimum performance.

Les composants identifiés par une trame et une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.


The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R1669	1-249-425-11	CARBON	4.7K 5% 1/4W	R1715	1-249-430-11	CARBON	12K 5% 1/4W
✖ R1670	1-214-729-00	METAL	1K 1% 1/4W	R1716	1-249-437-11	CARBON	47K 5% 1/4W
✖ R1670	1-214-731-00	METAL	1.2K 1% 1/4W	R1717	1-249-405-11	CARBON	100 5% 1/4W
✖ R1670	1-214-733-00	METAL	1.5K 1% 1/4W	R1718	1-249-425-11	CARBON	4.7K 5% 1/4W
✖ R1670	1-214-735-00	METAL	1.8K 1% 1/4W	R1719	1-249-421-11	CARBON	2.2K 5% 1/4W
✖ R1670	1-214-737-00	METAL	2.2K 1% 1/4W	R1720	1-249-405-11	CARBON	100 5% 1/4W
✖ R1670	1-214-739-00	METAL	2.7K 1% 1/4W	R1721	1-249-428-11	CARBON	8.2K 5% 1/4W
✖ R1670	1-214-741-00	METAL	3.3K 1% 1/4W	R1722	1-249-411-11	CARBON	330 5% 1/4W
✖ R1670	1-214-743-00	METAL	3.9K 1% 1/4W	R1724	1-249-424-11	CARBON	3.9K 5% 1/4W
✖ R1670	1-214-745-00	METAL	4.7K 1% 1/4W	R1725	1-249-440-11	CARBON	82K 5% 1/4W
✖ R1670	1-214-747-00	METAL	5.6K 1% 1/4W	R1726	1-249-409-11	CARBON	220 5% 1/4W
✖ R1670	1-214-749-00	METAL	6.8K 1% 1/4W	R1727	1-249-435-11	CARBON	33K 5% 1/4W
✖ R1670	1-214-751-00	METAL	8.2K 1% 1/4W	R1728	1-247-713-11	CARBON	1K 5% 1/4W
✖ R1670	1-214-753-00	METAL	10K 1% 1/4W	✖ R1729	1-214-762-00	METAL	24K 1% 1/4W
✖ R1670	1-214-757-00	METAL	15K 1% 1/4W	✖ R1729	1-214-763-00	METAL	27K 1% 1/4W
✖ R1670	1-214-761-00	METAL	22K 1% 1/4W	✖ R1729	1-214-764-00	METAL	30K 1% 1/4W
✖ R1670	1-214-765-00	METAL	33K 1% 1/4W	✖ R1729	1-214-765-00	METAL	33K 1% 1/4W
✖ R1670	1-214-769-00	METAL	47K 1% 1/4W	✖ R1729	1-214-766-00	METAL	36K 1% 1/4W
✖ R1670	1-214-773-00	METAL	68K 1% 1/4W	✖ R1729	1-214-767-00	METAL	39K 1% 1/4W
✖ R1670	1-214-777-00	METAL	100K 1% 1/4W	✖ R1729	1-214-768-00	METAL	43K 1% 1/4W
*1-506-371-00	PIN, CONNECTOR 2P; R1670			✖ R1729	1-214-769-00	METAL	47K 1% 1/4W
R1671	1-249-405-11	CARBON	100 5% 1/4W	✖ R1729	1-214-770-00	METAL	51K 1% 1/4W
R1672	1-249-428-11	CARBON	8.2K 5% 1/4W	✖ R1729	1-214-771-00	METAL	56K 1% 1/4W
R1673	1-215-470-00	METAL	110K 1% 1/6W	✖ R1729	1-214-772-00	METAL	62K 1% 1/4W
R1674	1-249-439-11	CARBON	68K 5% 1/4W	✖ R1729	1-214-773-00	METAL	68K 1% 1/4W
R1675	1-214-725-00	METAL	680 1% 1/4W	✖ R1729	1-214-775-00	METAL	82K 1% 1/4W
R1676	1-247-700-11	CARBON	100 5% 1/4W	✖ R1729	1-214-777-00	METAL	100K 1% 1/4W
✖ R1678A	1-249-437-11	CARBON	47K 5% 1/4W	✖ R1729	1-214-781-00	METAL	150K 1% 1/4W
*1-506-371-00	PIN, CONNECTOR 2P; R1678			✖ R1729	1-214-785-00	METAL	220K 1% 1/4W
R1679	1-249-413-11	CARBON	470 5% 1/4W	✖ R1729	1-214-787-00	METAL	270K 1% 1/4W
R1680	1-247-897-11	CARBON	560K 5% 1/4W	*1-506-371-00	PIN, CONNECTOR 2P; R1729		
R1681	1-249-429-11	CARBON	10K 5% 1/4W	R1730	1-259-884-11	CARBON	4.7M 5% 1/4W
R1682	1-249-417-11	CARBON	1K 5% 1/4W	R1731	1-259-882-11	CARBON	3.3M 5% 1/4W
R1683	1-249-439-11	CARBON	68K 5% 1/4W	R1732	1-249-424-11	CARBON	3.9K 5% 1/4W
R1684	1-249-437-11	CARBON	47K 5% 1/4W	R1733	1-249-425-11	CARBON	4.7K 5% 1/4W
R1685	1-249-435-11	CARBON	33K 5% 1/4W	R1734	1-249-421-11	CARBON	2.2K 5% 1/4W
R1686	1-249-430-11	CARBON	12K 5% 1/4W	R1735	1-249-425-11	CARBON	4.7K 5% 1/4W
R1687	1-249-435-11	CARBON	33K 5% 1/4W	R1736	1-249-421-11	CARBON	2.2K 5% 1/4W
R1688	1-247-887-00	CARBON	220K 5% 1/4W	R1737	1-249-425-11	CARBON	4.7K 5% 1/4W
R1689	1-249-435-11	CARBON	33K 5% 1/4W	R1738	1-249-437-11	CARBON	47K 5% 1/4W
R1690	1-249-435-11	CARBON	33K 5% 1/4W	R1739	1-249-423-11	CARBON	3.3K 5% 1/4W
R1691	1-249-436-11	CARBON	39K 5% 1/4W	R1740	1-249-441-11	CARBON	100K 5% 1/4W
R1692	1-249-429-11	CARBON	10K 5% 1/4W	R1741	1-249-437-11	CARBON	47K 5% 1/4W
R1693	1-249-429-11	CARBON	10K 5% 1/4W	R1742	1-249-421-11	CARBON	2.2K 5% 1/4W
R1694	1-215-450-00	METAL	16K 1% 1/6W	R1743	1-249-433-11	CARBON	22K 5% 1/4W
R1695	1-249-433-11	CARBON	22K 5% 1/4W	R1744	1-249-437-11	CARBON	47K 5% 1/4W
R1696	1-249-441-11	CARBON	100K 5% 1/4W	R1745	1-249-423-11	CARBON	3.3K 5% 1/4W
R1697	1-249-414-11	CARBON	560 5% 1/4W	R1746	1-249-429-11	CARBON	10K 5% 1/4W
R1698	1-249-414-11	CARBON	560 5% 1/4W	R1747	1-249-423-11	CARBON	3.3K 5% 1/4W
R1699	1-249-439-11	CARBON	68K 5% 1/4W	R1748	1-249-429-11	CARBON	10K 5% 1/4W
R1700	1-249-437-11	CARBON	47K 5% 1/4W	R1749	1-249-429-11	CARBON	10K 5% 1/4W
R1701	1-249-433-11	CARBON	22K 5% 1/4W	✖ R1751	1-214-709-00	METAL	150 1% 1/4W
R1702	1-249-417-11	CARBON	1K 5% 1/4W	✖ R1751	1-214-713-00	METAL	220 1% 1/4W
R1703	1-249-417-11	CARBON	1K 5% 1/4W	✖ R1751	1-214-717-00	METAL	330 1% 1/4W
R1704	1-249-439-11	CARBON	68K 5% 1/4W	✖ R1751	1-214-725-00	METAL	680 1% 1/4W
R1705	1-249-437-11	CARBON	47K 5% 1/4W	✖ R1751	1-214-729-00	METAL	1K 1% 1/4W
R1706	1-249-405-11	CARBON	100 5% 1/4W	✖ R1751	1-214-733-00	METAL	1.5K 1% 1/4W
R1707	1-249-421-11	CARBON	2.2K 5% 1/4W	✖ R1751	1-214-739-00	METAL	2.7K 1% 1/4W
R1708	1-249-440-11	CARBON	82K 5% 1/4W	*1-506-371-00	PIN, CONNECTOR 2P; R1751		
R1709	1-249-417-11	CARBON	1K 5% 1/4W	R1752	1-249-465-11	CARBON	47K 5% 1/4W
R1710	1-215-462-00	METAL	51K 1% 1/6W	R1753	1-249-424-11	CARBON	3.9K 5% 1/4W
R1711	1-249-435-11	CARBON	33K 5% 1/4W	R1754	1-249-437-11	CARBON	47K 5% 1/4W
R1712	1-249-417-11	CARBON	1K 5% 1/4W	R1755	1-249-422-11	CARBON	2.7K 5% 1/4W
R1714	1-249-413-11	CARBON	470 5% 1/4W				

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R1756	1-249-428-11	CARBON	8.2K 5% 1/4W	C2099	1-123-875-11	ELECT 10MF 20% 50V	
R1757	1-247-895-00	CARBON	470K 5% 1/4W				
R1758	1-249-458-11	CARBON	8.2 5% 1/4W F				
<VARIABLE RESISTOR>				<DIODE>			
RV1500	1-228-994-00	RES, ADJ, CARBON 10K		D2001	8-719-104-34	DIODE 1S2836	
RV1501	1-228-989-00	RES, ADJ, METAL GLAZE 470		D2024	8-719-104-34	DIODE 1S2836	
RV1502	1-228-993-00	RES, ADJ, METAL GLAZE 4.7K		D2030	8-719-104-34	DIODE 1S2836	
RV1503	1-228-999-00	RES, ADJ, METAL GLAZE 470K		D2033	8-719-400-18	DIODE MA152WK	
RV1504	1-228-994-00	RES, ADJ, CARBON 10K		D2035	8-719-104-34	DIODE 1S2836	
RV1505	1-228-993-00	RES, ADJ, CARBON 4.7K		D2040	8-719-104-34	DIODE 1S2836	
RV1507	1-228-998-00	RES, ADJ, CARBON 220K		D2042	8-719-400-18	DIODE MA152WK	
RV1508	1-228-999-00	RES, ADJ, CARBON 470K		D2045	8-719-104-34	DIODE 1S2836	
RV1509	1-228-993-00	RES, ADJ, CARBON 4.7K					
RV1510	1-228-991-00	RES, ADJ, CARBON 2.2K		<IC>			
RV1511	1-228-997-00	RES, ADJ, CARBON 100K		IC2001	8-759-634-10	IC M52001SP	
RV1512	1-228-997-00	RES, ADJ, CARBON 100K		IC2002	8-759-931-07	IC SN74LS365ANS	
RV1513	1-228-997-00	RES, ADJ, CARBON 100K		IC2003	8-759-634-03	IC M54480P	
RV1514	1-224-253-99	RES, ADJ, METAL GLAZE 22K		IC2005	8-759-930-50	IC SN74LS157NS	
RV1515	1-237-524-21	RES, ADJ, CARBON 1M		IC2006	8-759-930-50	IC SN74LS157NS	
RV1601	1-228-995-00	RES, ADJ, CARBON 22K		IC2010	8-759-982-05	IC RC7805FA	
RV1602	1-228-996-00	RES, ADJ, CARBON 47K					
*****				<COIL>			
A-1394-228-A	U BOARD, COMPLETE			L2001	1-410-471-11	INDUCTOR 12UH	
*****				<TRANSISTOR>			
*1-564-512-11	PLUG, CONNECTOR 9P			Q2001	8-729-230-49	TRANSISTOR 2SC2712-YG	
<CAPACITOR>				Q2002	8-729-230-49	TRANSISTOR 2SC2712-YG	
C2001	1-164-232-11	CERAMIC CHIP 0.01MF	50V	Q2003	8-729-230-49	TRANSISTOR 2SC2712-YG	
C2002	1-126-101-11	ELECT 100MF 20%	16V	Q2004	8-729-230-49	TRANSISTOR 2SC2712-YG	
C2003	1-164-232-11	CERAMIC CHIP 0.01MF	50V	Q2005	8-729-230-49	TRANSISTOR 2SC2712-YG	
C2004	1-123-875-11	ELECT 10MF 20%	50V	Q2006	8-729-230-49	TRANSISTOR 2SC2712-YG	
C2005	1-124-477-11	ELECT 47MF 20%	16V	Q2007	8-729-230-46	TRANSISTOR 2SA1162-YG	
C2006	1-124-477-11	ELECT 47MF 20%	16V	Q2008	8-729-230-49	TRANSISTOR 2SC2712-YG	
C2010	1-124-902-00	ELECT 0.47MF 20%	50V	Q2009	8-729-230-49	TRANSISTOR 2SC2712-YG	
C2011	1-130-728-00	FILM 0.0022MF 5%	50V	Q2010	8-729-230-49	TRANSISTOR 2SC2712-YG	
C2012	1-106-359-00	MYLAR 0.0047MF 10%	100V	Q2011	8-729-230-49	TRANSISTOR 2SC2712-YG	
C2013	1-124-902-00	ELECT 0.47MF 20%	50V	Q2012	8-729-901-01	TRANSISTOR DTC144EK	
C2014	1-124-902-00	ELECT 0.47MF 20%	50V	Q2015	8-729-230-49	TRANSISTOR 2SC2712-YG	
C2015	1-123-875-11	ELECT 10MF 20%	50V	Q2020	8-729-901-01	TRANSISTOR DTC144EK	
C2016	1-124-902-00	ELECT 0.47MF 20%	50V	Q2021	8-729-230-46	TRANSISTOR 2SA1162-YG	
C2017	1-123-875-11	ELECT 10MF 20%	50V	Q2022	8-729-230-46	TRANSISTOR 2SA1162-YG	
C2018	1-124-902-00	ELECT 0.47MF 20%	50V	Q2024	8-729-230-49	TRANSISTOR 2SC2712-YG	
C2019	1-136-298-00	FILM 0.0033MF 5%	100V	Q2025	8-729-230-49	TRANSISTOR 2SC2712-YG	
C2021	1-163-103-00	CERAMIC CHIP 27PF 5%	50V	Q2095	8-729-901-01	TRANSISTOR DTC144EK	
C2022	1-163-093-00	CERAMIC CHIP 10PF 5%	50V	Q2096	8-729-901-01	TRANSISTOR DTC144EK	
C2023	1-164-232-11	CERAMIC CHIP 0.01MF	50V	<RESISTOR>			
C2024	1-124-120-11	ELECT 220MF 20%	16V	R2001	1-216-033-00	METAL GLAZE 220 5% 1/10W	
C2025	1-135-155-21	TANTAL. CHIP 4.7MF 20%	10V	R2002	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
C2027	1-163-115-00	CERAMIC CHIP 82PF 5%	50V	R2003	1-216-022-00	METAL GLAZE 75 5% 1/10W	
C2028	1-126-101-11	ELECT 100MF 20%	16V	R2004	1-216-022-00	METAL GLAZE 75 5% 1/10W	
C2029	1-164-232-11	CERAMIC CHIP 0.01MF	50V	R2005	1-216-022-00	METAL GLAZE 75 5% 1/10W	
C2030	1-126-101-11	ELECT 100MF 20%	16V	R2006	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
C2031	1-164-232-11	CERAMIC CHIP 0.01MF	50V	R2007	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
C2032	1-124-477-11	ELECT 47MF 20%	16V	R2008	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
C2033	1-124-791-11	ELECT 1MF 20%	50V	R2009	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
C2034	1-163-129-00	CERAMIC CHIP 330PF 5%	50V	R2010	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
C2035	1-163-009-11	CERAMIC CHIP 0.001MF 10%	50V	R2011	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
C2098	1-163-093-00	CERAMIC CHIP 10PF 5%	50V	R2012	1-216-025-00	METAL GLAZE 100 5% 1/10W	
				R2013	1-216-049-00	METAL GLAZE 1K 5% 1/10W	

Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK
R2079	1-216-025-00	METAL GLAZE	100 5% 1/10W
R2080	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R2081	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R2082	1-216-025-00	METAL GLAZE	100 5% 1/10W
R2083	1-216-025-00	METAL GLAZE	100 5% 1/10W
R2084	1-216-025-00	METAL GLAZE	100 5% 1/10W
R2085	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R2086	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R2087	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R2088	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R2089	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R2090	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R2091	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R2092	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W
R2093	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R2094	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R2095	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R2096	1-216-093-00	METAL GLAZE	68K 5% 1/10W
R2097	1-216-049-00	METAL GLAZE	1K 5% 1/10W
<SWITCH>			
S2001	1-572-189-11	SWITCH, PUSH (1 KEY)	
S2002	1-571-868-11	SWITCH, PUSH (1 KEY)	
S2003	1-571-427-11	SWITCH, SLIDE	
S2004	1-571-429-11	SWITCH, SLIDE	

MISCELLANEOUS			

T909	△ 1-230-666-41	RESISTOR ASSY, HIGH-VOLTAGE	
	△ 1-426-442-21	COIL, DEMAGNETIZATION	
	△ 1-449-948-12	TRANSFORMER, POWER	
	△ 1-451-291-13	DEFLECTION YOKE (Y14FBC)	
	1-452-032-00	MAGNET, DISK; 10MM φ	
	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM φ	
CN901A	△ 1-526-945-11	INLET, AC 3P	
	1-537-207-21	TERMINAL BOARD	
	1-544-252-11	SPEAKER	
	* 1-568-507-11	CONNECTOR, BRIDGE 15P	
V901	△ 8-738-251-05	PICTURE TUBE (M34JNQ15X)	

ACCESSORIES AND PACKING MATERIALS			

PART NO.	DESCRIPTION	REMARK	
△ 1-557-377-11	CORD, POWER (3 CORE)		
1-569-174-11	CONVERTOR, D-SUB 9P		
3-751-151-21	MANUAL, INSTRUCTION		
* 4-312-246-00	BAG, PROTECTION		
* 4-397-134-01	CUSHION (UPPER) (ASSY)		
* 4-397-135-01	CUSHION (LOWER) (ASSY)		
* 4-397-143-01	INDIVIDUAL CARTON		

